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Ohio Labor Market Information

Labor Market Review

October 1989

Summary. Ohio's seasonally adjusted unemployment rate increased from 5.0 percent in September to 6.1 percent in October. The national rate, at 5.3 percent, was unchanged from September. The number of unemployed workers in Ohio was up 59,000 to 334,000. Total employment in the State fell 47,000 to 5,169,000. Nonagricultural wage and salary employment rose fractionally from September to 4,816,000 in October. Increases in nonmanufacturing industries were mostly offset by a decline in manufacturing employment. (See page 3.)

Factory Employment. Losses in most durable-goods industries lowered manufacturing employment 9,000 from September to 1,097,000 in October. Durable-goods employment, at 735,000, was down 10,000 due chiefly to labor-management disputes in nonelectrical machinery and primary metal industries. Nondurable-goods employment rose 1,000 to 362,000. Increases in rubber and miscellaneous plastics products and in food and kindred products were moderated by a decline in printing and publishing.

Nonmanufacturing. Nonmanufacturing employment in Ohio rose 10,000 from September to 3,719,000 in October. Retail trade and government each increased 3,000, while services added 2,000 jobs. Construction and wholesale trade advanced 1,000 jobs. No employment changes occurred in mining, transportation and public utilities, or finance, insurance, and real estate.

Over the Year. The unemployment rate in Ohio rose from 5.6 percent in October 1988 to 6.1 percent in October 1989. The U.S. rate was 5.3 percent, unchanged from October 1988. Ohio's total employment increased 120,000 over the year, while the number of unemployed Ohioans was up 34,000. Nonfarm wage and salary employment rose 111,000 from October 1988. The largest growth was in services (+49,000) and in retail trade (+31,000). Employment in construction increased 14,000. Labor-management disputes in durable-goods industries accounted for much of the over-the-year reduction in manufacturing employment.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio earned an average of $521.94 per week in October, down $6.64 from September. Their average workweek of 42.4 hours was .4 hours shorter. Several industries had reduced earnings due to less overtime. The most significant were motor vehicles and equipment, metal forgings and stampings, miscellaneous plastics products, and blast furnace and basic steel products.

Benefits and Costs. In October, 57,166 initial claims were filed under the Ohio Unemployment Compensation Law, up 28.0 percent from September, and up 31.4 percent from October 1988. The average benefit check rose $6.62 to $167.71. Total benefits paid, at $37.1 million, were up

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Ellen O'Brien Saunders, Administrator

6.3 percent. The average weekly number of benefit recipients increased 3.4 percent from September to 55,791. At the end of October there were 204,991 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services assisted 37,382 new job applicants in October, up 16.1 percent from September, but down 2.4 percent from October 1988. Job openings received from employers fell 7.8 percent from September to 10,595. The Employment Services Division made 24,961 job referrals and 5,736 placements.

The U.S. Department of Labor has designated Labor Surplus Areas for the period October 1, 1989 through September 30, 1990.

See pages 14 and 15 for listings of cities and counties.

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Seasonally Adjusted Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	October 1989	September 1989	October 1988	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,503	5,491	5,349	12	154	0.2	2.9
Employment	5,169	5,216	5,049	-47	120	-0.9	2.4
Unemployment	334	275	300	59	34	21.5	11.3
Unemployment Rate	6.1	5.0	5.6				
Employer Survey Data[e]							
Total	4,816	4,815	4,704	1	111	0.0	2.4
Manufacturing	1,097	1,106	1,105	-9	-9	-0.8	-0.8
Durable Goods	735	745	746	-10	-11	-1.3	-1.4
Nondurable Goods	362	361	360	1	2	0.3	0.6
Nonmanufacturing	3,719	3,709	3,599	10	120	0.3	3.3
Mining	20	20	19	0	0	-0.4	2.0
Construction	198	198	184	1	14	0.3	7.6
Transportation and Public Utilities	215	215	212	0	3	0.1	1.3
Wholesale Trade	264	263	257	1	7	0.3	2.8
Retail Trade	915	912	884	3	31	0.4	3.5
Finance, Insurance, and Real Estate	257	257	252	0	5	0.2	2.1
Services	1,147	1,145	1,097	2	49	0.1	4.5
Government	703	699	693	3	9	0.5	1.4
Goods Producing Industries[f]	1,315	1,323	1,309	-9	6	-0.6	0.4
Service Producing Industries[g]	3,501	3,491	3,396	10	105	0.3	3.1

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.
[b]Changes are computed from unrounded numbers.
[c]Percentages are computed from unrounded numbers.
[d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics.
[e]From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Labor Market Review*.
[f]Includes Mining, Construction, and Manufacturing.
[g]Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance, and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rates	
Total	Employed	Unemployed	Ohio	U.S.
5,231	4,910	321	6.1	6.0
5,270	4,946	324	6.1	5.9
5,279	4,949	330	6.3	5.9
5,324	4,981	343	6.4	5.8
5,355	5,014	341	6.4	5.7
5,369	4,974	395	7.4	5.6
5,301	4,970	331	6.2	5.5
5,284	4,960	324	6.1	5.6
5,306	4,994	312	5.9	5.4
5,294	5,004	290	5.5	5.4
5,329	5,028	301	5.6	5.6
5,311	5,004	307	5.8	5.4
5,349	5,049	300	5.6	5.3
5,366	5,059	307	5.7	5.4
5,355	5,060	295	5.5	5.3
5,426	5,094	332	6.1	5.4
5,432	5,152	280	5.2	5.1
5,428	5,144	284	5.2	5.0
5,381	5,093	288	5.4	5.3
5,434	5,138	296	5.4	5.2
5,490	5,183	307	5.6	5.3
5,450	5,157	293	5.4	5.2
5,469	5,209	260	4.8	5.2
5,491	5,216	275	5.0	5.3
5,503	5,169	334	6.1	5.3

Ohio Nonagricultural Wage and Salary Employment

(in thousands)

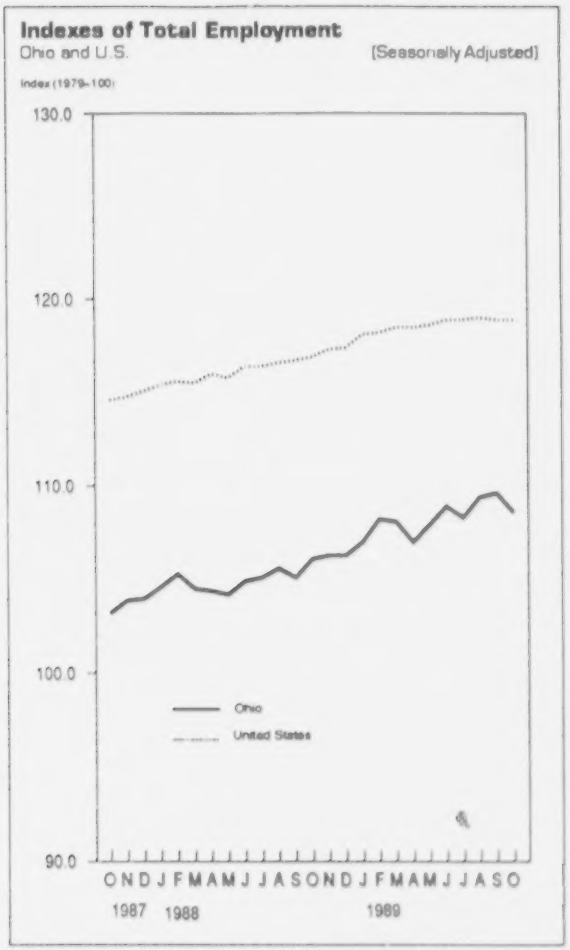
	Total Nonagricultural Employment			
		Manufacturing Employment		
			Durable	Nondurable
1987				
October	4,617	1,105	745	360
November	4,631	1,106	746	360
December	4,650	1,110	748	362
1988				
January	4,637	1,104	744	360
February	4,644	1,103	743	359
March	4,653	1,097	737	360
April	4,656	1,101	742	360
May	4,661	1,100	742	359
June	4,671	1,102	742	360
July	4,676	1,101	742	359
August	4,680	1,100	741	358
September	4,691	1,103	743	359
October	4,704	1,105	746	360
November	4,721	1,110	750	361
December	4,733	1,111	750	362
1989				
January	4,764	1,122	757	364
February	4,772	1,118	754	364
March	4,777	1,114	751	363
April	4,778	1,110	748	362
May	4,780	1,107	747	360
June	4,786	1,107	746	361
July	4,787	1,100	740	359
August	4,807	1,108	748	360
September	4,815	1,106	745	361
October	4,816	1,097	735	362

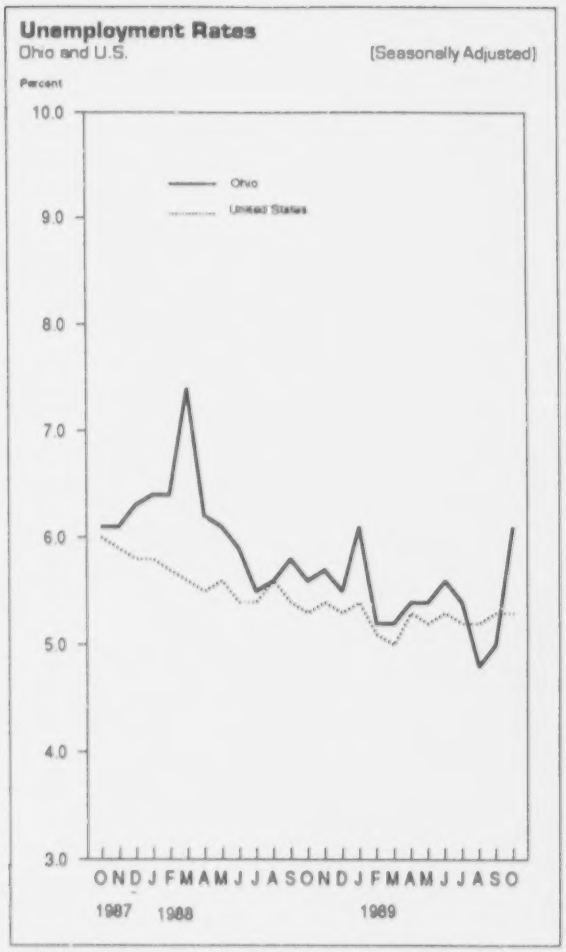
Nonmanufacturing Employment

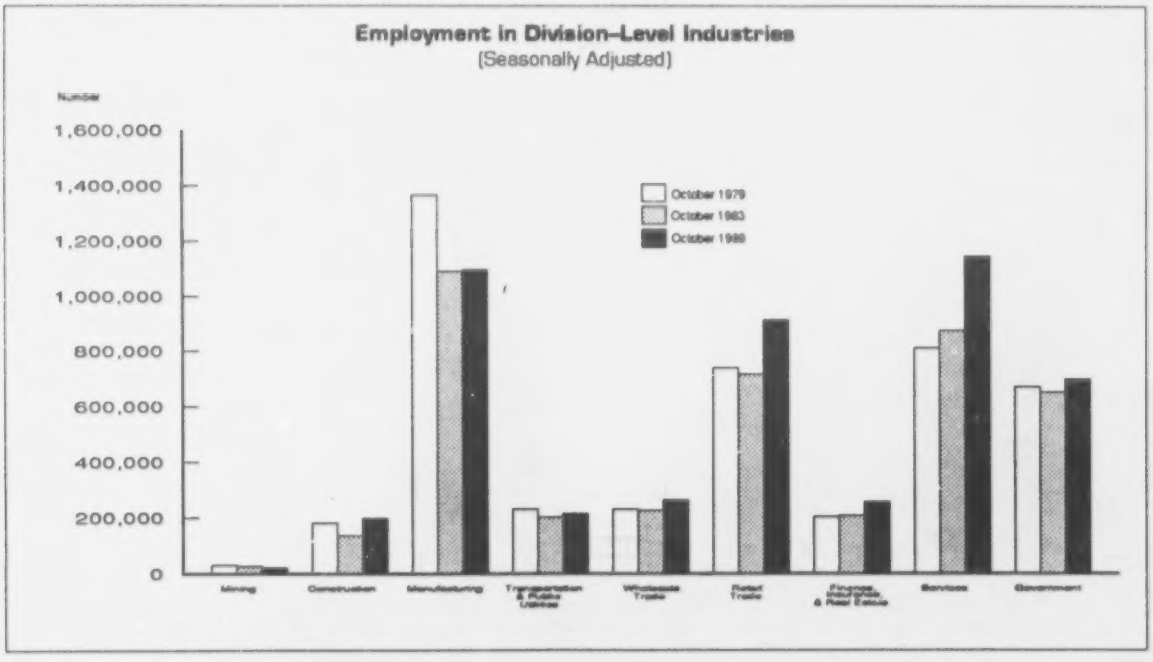
(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
3,512	21	178	209	251	856	247	1062	688
3,525	21	180	210	251	860	247	1067	691
3,540	21	183	210	252	863	248	1073	691
3,533	20	181	210	251	865	247	1068	691
3,542	20	182	210	251	868	247	1073	690
3,557	19	185	211	252	872	248	1078	692
3,555	20	183	211	252	870	249	1079	691
3,561	19	182	211	253	871	249	1083	692
3,569	19	182	211	254	874	249	1087	692
3,575	19	182	212	255	876	250	1089	692
3,581	20	183	212	256	878	251	1093	689
3,589	19	184	212	256	880	251	1095	691
3,599	19	184	212	257	884	252	1097	693
3,611	19	186	213	258	887	252	1102	694
3,622	19	188	213	258	889	252	1108	693
3,642	19	196	213	259	896	253	1112	693
3,654	19	197	213	260	899	254	1116	696
3,663	19	197	214	260	903	254	1120	696
3,668	19	196	215	261	902	255	1125	695
3,672	19	196	214	261	902	255	1129	696
3,679	20	197	214	261	906	255	1132	694
3,688	17	197	214	262	908	255	1136	698
3,700	20	197	215	263	910	256	1140	698
3,709	20	198	215	263	912	257	1145	699
3,719	20	198	215	264	915	257	1147	703

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Labor Market Review*.


Indexes of Total Employment
Ohio and U.S.
(Seasonally Adjusted)
Index (1979=100)
130.0
120.0
110.0
100.0
90.0
Ohio
United States
O N D J F M A M J J A S O N D J F M A M J J A S O
1987
1988
1989


Unemployment Rates
Ohio and U.S.
(Seasonally Adjusted)
Percent
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
Ohio
United States
O N D J F M A M J J A S O N D J F M A M J J A S O
1987
1988
1989


Employment in Division-Level Industries
(Seasonally Adjusted)
Number
1,600,000
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
0
October 1979
October 1983
October 1988
Mining
Construction
Manufacturing
Transportation & Public Utilities
Wholesale Trade
Retail Trade
Finance, Insurance, & Real Estate
Services
Government

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
4,959	4,690	268	5.4	6.1	1978
5,059	4,760	299	5.9	5.8	1979
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,232	4,806	425	8.1	7.0	1986
5,254	4,887	367	7.0	6.2	1987
5,328	5,008	320	6.0	5.5	1988
					1988
5,365	5,087	278	5.2	5.0	October
5,400	5,113	287	5.3	5.2	November
5,352	5,066	286	5.4	5.0	December
					1989
5,384	5,015	369	6.9	6.0	January
5,380	5,063	317	5.9	5.6	February
5,375	5,068	307	5.7	5.2	March
5,357	5,085	273	5.1	5.1	April
5,419	5,143	277	5.1	5.0	May
5,537	5,216	321	5.8	5.5	June
5,526	5,248	277	5.0	5.3	July
5,517	5,257	261	4.7	5.1	August
5,460	5,192	269	4.9	5.1	September
5,513	5,203	310	5.6	5.0	October

Ohio Nonagricultural Wage and Salary Employment

(in thousands)

Total Nonagricultural Employment	Manufacturing Employment			
		Durable	Nondurable	
4,394.9	1,377.2	974.5	402.7	1978
4,484.8	1,382.3	980.5	401.8	1979
4,367.4	1,264.3	882.6	381.8	1980
4,317.7	1,232.6	860.4	372.2	1981
4,124.3	1,099.9	752.4	347.5	1982
4,092.5	1,066.0	723.6	342.4	1983
4,260.2	1,127.0	773.4	353.6	1984
4,372.9	1,124.3	768.7	355.5	1985
4,471.4	1,109.8	752.7	357.1	1986
4,582.6	1,098.9	740.4	358.4	1987
4,683.0	1,103.1	743.6	359.6	1988
				1988
4,757.7	1,110.3	747.8	362.5	October
4,834.7	1,115.7	753.3	362.3	November
4,781.8	1,115.1	752.5	362.6	December
				1989
4,669.0	1,112.2	751.4	360.8	January
4,671.4	1,107.3	747.9	359.4	February
4,707.6	1,106.9	748.1	358.8	March
4,761.0	1,107.1	748.4	358.7	April
4,811.3	1,107.5	748.7	358.8	May
4,831.8	1,112.5	750.8	361.7	June
4,791.5	1,099.6	739.6	360.0	July
4,807.2	1,109.4	746.3	363.1	August
4,855.2	1,113.3	747.0	366.3	September
4,871.1	1,101.8	737.1	364.7	October

Nonmanufacturing Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade	
3,017.7	29.0	176.6	225.0	226.0	1978
3,102.5	31.6	182.9	232.1	232.8	1979
3,103.0	30.7	167.4	223.1	230.6	1980
3,085.1	30.7	153.7	217.2	232.5	1981
3,024.4	30.3	134.6	206.8	226.0	1982
3,026.5	26.6	130.8	198.5	222.5	1983
3,133.1	27.8	144.8	203.9	236.7	1984
3,248.6	26.1	154.0	202.7	243.7	1985
3,361.6	22.6	160.7	203.4	244.3	1986
3,483.7	20.9	176.4	207.8	248.0	1987
3,579.8	19.5	183.6	211.5	254.3	1988
					1988
3,647.4	19.8	203.0	215.0	258.4	October
3,719.0	19.7	197.4	214.7	258.5	November
3,666.6	19.5	188.0	215.3	259.1	December
					1989
3,556.9	18.9	167.0	208.7	256.9	January
3,564.1	18.6	162.2	208.5	256.9	February
3,600.8	18.7	170.8	209.7	257.8	March
3,653.9	19.0	184.7	212.8	259.7	April
3,703.7	19.2	197.0	214.3	261.3	May
3,719.4	19.8	206.5	216.0	263.1	June
3,692.0	17.0	215.0	216.0	263.8	July
3,697.8	20.1	218.0	217.0	263.8	August
3,741.9	20.2	217.3	217.3	263.7	September
3,769.3	20.2	218.1	217.8	265.8	October

Retail Trade	Finance, Insurance, & Real Estate	Services	Government	
730.4	191.1	772.1	667.5	1978
742.4	200.6	806.2	674.0	1979
726.6	203.8	830.9	689.9	1980
717.7	205.8	851.6	676.0	1981
703.4	206.4	857.3	659.6	1982
711.0	207.8	873.3	656.1	1983
748.0	211.5	905.2	655.2	1984
787.9	219.3	949.5	665.2	1985
818.6	232.3	1,001.0	678.9	1986
848.3	243.8	1,051.2	687.3	1987
876.5	249.8	1,087.8	696.8	1988
				1988
891.8	252.1	1,105.1	702.2	October
906.0	252.1	1,102.1	768.5	November
921.4	252.4	1,101.0	710.0	December
				1989
877.0	250.3	1,083.4	694.5	January
867.2	250.8	1,091.8	708.0	February
876.3	251.5	1,103.0	712.9	March
889.8	253.1	1,125.5	709.3	April
904.2	254.6	1,138.7	714.4	May
912.5	257.0	1,149.9	694.5	June
913.8	258.5	1,151.2	656.5	July
918.6	259.0	1,152.6	648.7	August
920.1	257.8	1,160.2	685.3	September
923.4	257.4	1,154.9	711.7	October

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Manufacturing Employment

Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)	
1,377.2	974.5	402.7	1978
1,382.3	980.5	401.8	1979
1,264.3	882.6	381.8	1980
1,232.6	860.4	372.2	1981
1,099.9	752.4	347.5	1982
1,066.0	723.6	342.4	1983
1,127.0	773.4	353.6	1984
1,124.3	768.7	355.5	1985
1,109.8	752.7	357.1	1986
1,098.9	740.4	358.4	1987
1,103.1	743.6	359.6	1988
			1988
1,110.3	747.8	362.5	October
1,115.7	753.3	362.3	November
1,115.1	752.5	362.6	December
			1989
1,112.2	751.4	360.8	January
1,107.3	747.9	359.4	February
1,106.9	748.1	358.8	March
1,107.1	748.4	358.7	April
1,107.5	748.7	358.8	May
1,112.5	750.8	361.7	June
1,099.6	739.6	360.0	July
1,109.4	746.3	363.1	August
1,113.3	747.0	366.3	September
1,101.8	737.1	364.7	October

Production Workers in Manufacturing

Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)	
985.5	$302.5	41.5	1978
979.0	318.5	40.6	1979
867.8	301.9	35.2	1980
847.7	330.4	34.7	1981
735.7	297.1	29.5	1982
721.6	315.4	29.9	1983
781.5	362.3	33.1	1984
773.4	369.7	32.5	1985
758.5	369.1	31.9	1986
751.4	375.5	32.0	1987
759.1	391.7	32.6	1988
			1988
765.5	400.4	33.1	October
771.1	410.1	33.7	November
770.1	411.5	33.7	December
			1989
766.2	404.1	33.1	January
762.0	400.1	32.8	February
761.4	400.2	32.7	March
761.4	397.0	32.5	April
761.1	397.5	32.5	May
764.1	402.9	32.8	June
750.5	383.3	31.5	July
759.9	391.3	32.0	August
764.7	404.2	32.7	September
754.5	393.8	32.0	October

Production Worker Average Weekly Earnings

Manufacturing	Durable Goods	Nondurable Goods	
$306.91	$316.83	$279.30	1978
325.36	335.30	297.78	1979
347.94	358.57	319.99	1980
389.78	401.64	358.16	1981
403.61	414.80	378.95	1982
437.18	452.35	402.52	1983
463.61	482.38	417.83	1984
477.96	499.56	425.80	1985
486.68	507.95	439.71	1986
499.70	519.52	455.03	1987
516.00	538.59	465.47	1988
			1988
523.06	546.69	467.84	October
531.83	557.80	472.43	November
534.36	557.80	479.62	December
			1989
527.47	551.06	472.36	January
525.03	547.67	472.63	February
525.53	549.41	470.50	March
521.37	542.59	473.71	April
522.22	543.46	471.86	May
527.24	546.05	480.48	June
510.72	526.66	472.79	July
514.88	530.87	476.74	August
528.58	548.66	482.05	September
521.94	541.86	477.77	October

Production Worker Average Weekly Hours

Manufacturing	Durable Goods	Nondurable Goods	
42.1	42.3	41.5	1978
41.5	41.6	41.1	1979
40.6	40.7	40.2	1980
40.9	40.9	40.7	1981
40.1	40.0	40.4	1982
41.4	41.5	41.2	1983
42.3	42.5	41.7	1984
42.0	42.3	41.3	1985
42.1	42.4	41.6	1986
42.6	42.9	41.9	1987
43.0	43.4	42.2	1988
			1988
43.3	43.7	42.3	October
43.7	44.2	42.6	November
43.8	44.2	42.9	December
			1989
43.2	43.7	42.1	January
43.0	43.5	41.9	February
42.9	43.5	41.6	March
42.7	43.2	41.7	April
42.7	43.2	41.5	May
42.9	43.2	42.0	June
42.0	42.2	41.4	July
42.1	42.3	41.6	August
42.8	43.1	42.1	September
42.4	42.7	41.8	October

Production Worker Average Hourly Earnings

Manufacturing	Durable Goods	Nondurable Goods	
$ 7.29	$ 7.49	$ 6.73	1978
7.84	8.06	7.25	1979
8.57	8.81	7.96	1980
9.53	9.82	8.80	1981
10.07	10.37	9.38	1982
10.56	10.90	9.77	1983
10.96	11.35	10.02	1984
11.38	11.81	10.31	1985
11.56	11.98	10.57	1986
11.73	12.11	10.86	1987
12.00	12.41	11.03	1988
			1988
12.08	12.51	11.06	October
12.17	12.62	11.09	November
12.20	12.62	11.18	December
			1989
12.21	12.61	11.22	January
12.21	12.59	11.28	February
12.25	12.63	11.31	March
12.21	12.56	11.36	April
12.23	12.58	11.37	May
12.29	12.64	11.44	June
12.16	12.48	11.42	July
12.23	12.55	11.46	August
12.35	12.73	11.45	September
12.31	12.69	11.43	October

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

Employment
(thousands)

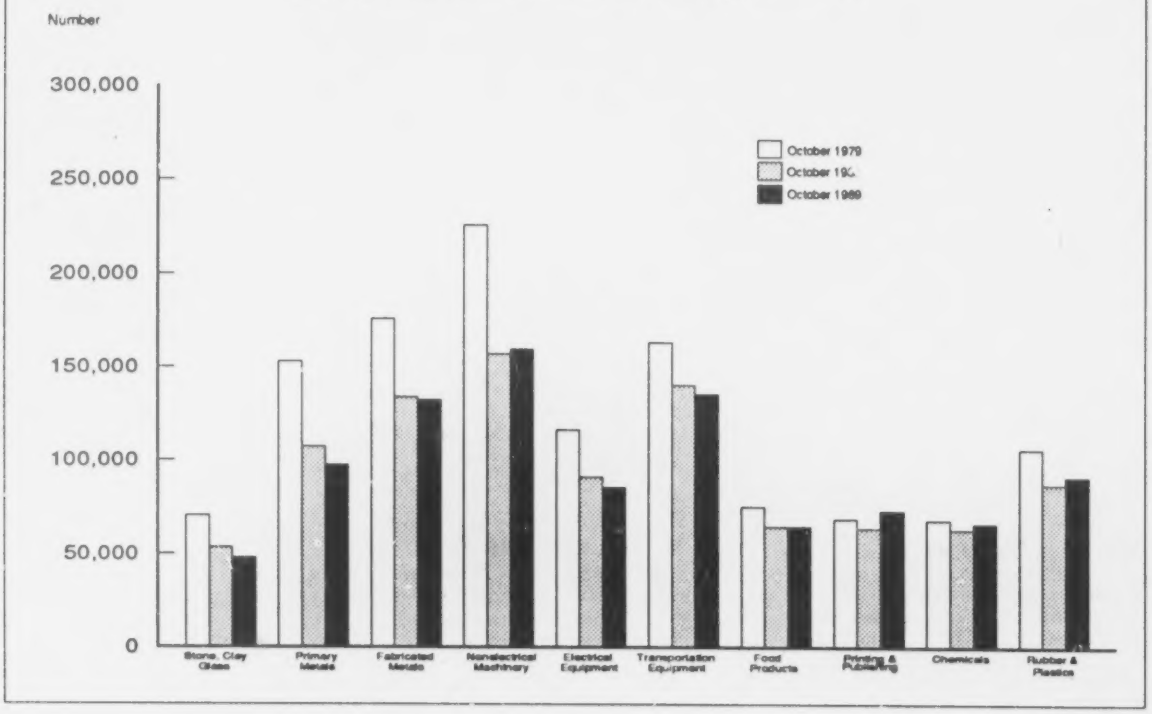
Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.7
48.4	95.8	133.1	1987	155.2	86.7	149.0	1987	63.1	70.5	91.9
47.8	99.9	133.0	1988	158.7	86.3	141.8	1988	62.5	71.5	90.8
			1988				1988			
48.2	100.9	133.5	October	160.4	86.6	140.6	October	63.9	72.0	91.5
48.4	101.6	134.4	November	161.7	86.9	142.6	November	63.4	72.0	91.8
47.8	102.0	134.8	December	162.7	86.8	140.9	December	63.4	72.3	91.5
			1989				1989			
47.0	101.3	134.9	January	163.0	86.5	141.6	January	62.5	71.9	91.3
46.7	100.7	133.6	February	163.1	85.7	141.0	February	61.1	71.8	91.3
47.4	100.2	133.2	March	163.2	85.6	141.0	March	61.1	71.7	90.9
48.0	100.1	133.5	April	163.2	85.4	140.3	April	61.2	71.5	90.7
48.0	100.0	133.6	May	163.4	85.1	140.0	May	61.7	71.8	90.0
48.4	100.0	133.2	June	163.7	85.4	140.6	June	63.0	72.2	90.0
48.1	97.9	131.2	July	163.5	85.0	133.9	July	62.6	72.0	88.5
48.5	99.2	131.3	August	162.8	85.2	138.6	August	63.9	72.2	89.8
48.2	99.5	133.3	September	162.8	86.0	136.1	September	66.4	72.7	90.4
47.8	97.0	132.1	October	159.1	85.2	135.2	October	64.4	72.7	91.1

Average Weekly Earnings of Production Workers

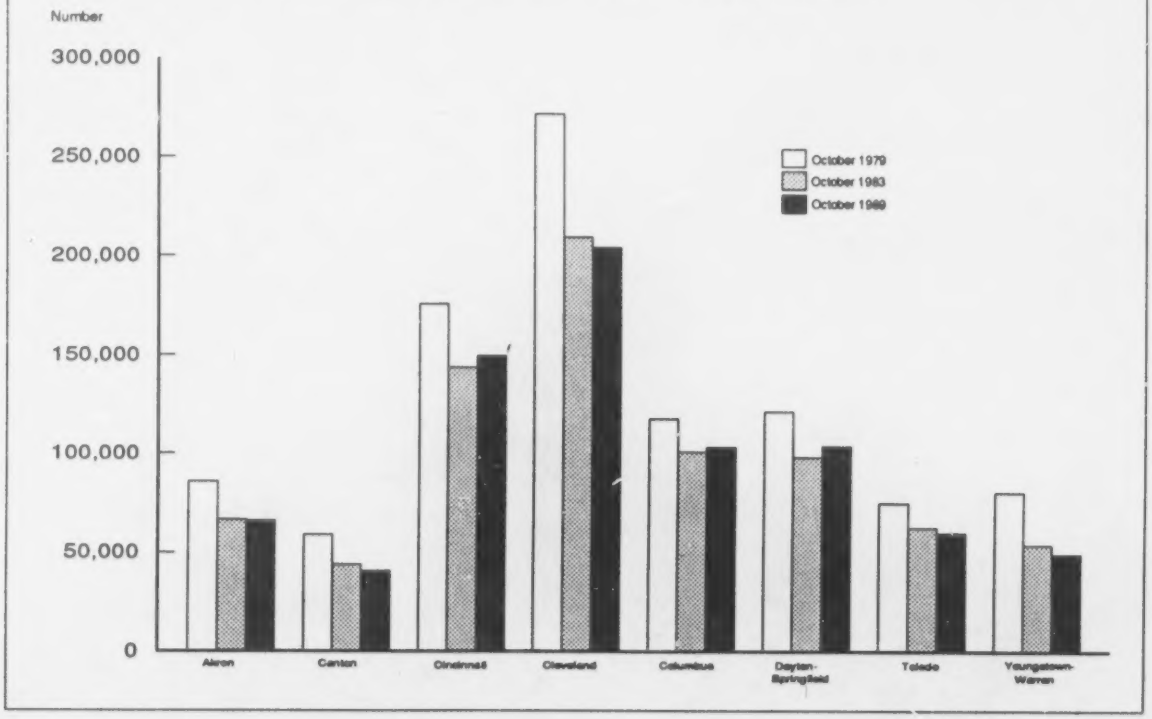
$274.81	$366.24	$307.23	1978	$306.16	$268.45	$389.66	1978	$281.15	$285.18	$282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
463.30	626.44	516.77	1988	526.48	472.50	675.24	1988	446.04	445.22	448.24
			1988				1988			
468.47	628.60	522.97	October	537.14	470.12	699.79	October	440.37	448.33	454.14
473.90	639.77	531.29	November	545.13	477.99	717.02	November	452.83	449.80	459.46
463.01	636.55	531.73	December	549.70	484.65	721.82	December	456.89	463.65	459.72
			1989				1989			
462.34	629.95	520.22	January	551.15	481.38	702.15	January	441.08	445.02	460.42
463.49	619.89	512.40	February	543.22	470.40	714.48	February	440.18	451.61	451.93
465.38	621.72	511.20	March	545.43	466.34	724.23	March	449.35	454.31	442.68
470.98	624.34	512.48	April	541.11	464.26	683.99	April	455.20	447.70	446.69
464.88	620.64	515.82	May	538.74	462.73	691.75	May	455.10	446.18	453.05
472.01	632.19	507.53	June	536.36	460.37	712.80	June	469.79	447.30	462.03
472.01	605.52	499.62	July	521.00	448.34	676.24	July	462.00	449.26	447.72
476.87	612.14	490.69	August	519.78	458.97	688.97	August	468.00	450.45	446.04
471.16	627.64	523.98	September	536.98	462.56	724.36	September	456.12	469.57	453.69
481.34	611.40	511.98	October	534.92	465.37	713.46	October	456.20	467.57	443.73

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Employment in Major Manufacturing Industries



Manufacturing Employment in Metropolitan Areas



Nonagricultural Wage and Salary Employment[a]

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	October 1989[b]	September 1989[c]	October 1988[c]	From Last Month	From Last Year
Total	4871.1	4855.2	4757.7	15.8	113.4
Manufacturing	1101.8	1113.3	1110.3	-11.6	-8.5
Durable Goods[e]	737.1	747.0	747.8	-10.0	-10.7
Lumber and wood products	25.2	25.4	23.2	-.2	2.0
Furniture and fixtures	14.8	14.9	15.1	-.2	-.3
Stone, clay, and glass products	47.8	48.2	48.2	-.4	-.5
Glass and glassware, pressed or blown	8.9	8.9	8.7	.0	.1
Primary metal industries	97.0	99.5	100.9	-2.6	-3.9
Blast furnace and basic steel products	42.7	45.3	45.3	-2.5	-2.5
Iron and steel foundries	19.8	19.7	20.2	.1	-.4
Nonferrous rolling and drawing	17.2	17.2	18.1	.0	-.9
Fabricated metal products	132.1	133.3	133.5	-1.3	-1.4
Cutlery, hand tools, and hardware	9.6	9.6	10.2	.0	-.6
Fabricated structural metal products	28.3	28.6	28.2	-.4	.1
Metal forgings and stampings	40.1	40.3	41.4	-.1	-1.3
Machinery, except electrical	159.1	162.8	160.4	-3.6	-1.3
Construction and related machinery	13.5	13.6	13.5	-.1	.1
Metalworking machinery	43.1	43.2	41.8	.0	1.3
Special industry machinery	18.3	18.3	18.0	.0	.3
General industrial machinery	25.8	28.7	28.4	-2.9	-2.7
Office and computing machines	12.0	12.2	12.5	-.2	-.5
Refrigeration and service machinery	15.7	16.0	16.1	-.3	-.4
Electric and electronic equipment	85.2	86.0	86.6	-.8	-1.5
Electrical industrial apparatus	17.7	17.7	17.4	.0	.3
Household appliances	15.5	15.9	16.0	-.4	-.5
Electric lighting and wiring equipment	16.8	16.9	17.6	-.2	-.8
Communication equipment	9.3	9.3	9.3	.0	.0
Transportation equipment	135.2	136.1	140.6	-.9	-5.4
Motor vehicles and equipment	89.9	91.1	95.7	-1.1	-5.8
Aircraft and parts	36.7	36.5	36.2	.3	.5
Instruments and related products	24.9	24.8	24.3	.1	.7
Measuring and controlling devices	13.4	13.4	13.3	.0	.0
Nondurable Goods[f]	364.7	366.3	362.5	-1.6	2.2
Food and kindred products	64.4	66.4	63.9	-2.0	.5
Meat products	8.7	8.7	8.6	.0	.1
Dairy products	9.5	9.5	9.6	-.1	-.1
Preserved fruits and vegetables	12.9	15.1	12.6	-2.2	.3
Bakery products	9.6	9.7	9.5	-.1	.1
Beverages	9.0	8.9	9.3	.0	-.4
Apparel and other textile products	15.9	16.1	15.7	-.2	.2
Paper and allied products	37.0	37.0	37.1	.0	-.1
Misc. converted paper products	11.9	12.0	12.1	.0	-.2
Paperboard containers and boxes	13.5	13.3	13.0	.2	.4
Printing and publishing	72.7	72.7	72.0	.0	.7
Newspapers	19.0	18.8	18.9	.2	.1
Commercial printing	28.5	28.6	28.3	-.1	.2
Chemicals and allied products	65.9	66.0	64.4	-.1	1.6
Industrial inorganic chemicals	8.7	8.7	8.5	.0	.2
Rubber and misc. plastics products	91.1	90.4	91.5	.7	-.4
Tires and inner tubes	14.4	14.4	14.8	.0	-.4
Miscellaneous plastics products	56.3	55.8	56.5	.5	-.2

See footnotes on page 13.

Nonagricultural Wage and Salary Employment[a]

Ohio (continued)

	Employment (in thousands)			Change[d] (in thousands)	
	October 1989[b]	September 1989[c]	October 1988[c]	From Last Month	From Last Year
Nonmanufacturing	3769.3	3741.9	3647.4	27.4	121.9
Mining	20.2	20.2	19.8	.0	.4
Bituminous coal and lignite mining	8.1	8.1	7.9	.0	.2
Oil and gas extraction	6.7	6.7	6.7	.1	.0
Construction	218.1	217.3	203.0	.9	15.1
General building contractors	53.5	53.5	50.8	.0	2.6
Heavy construction contractors	29.4	29.5	27.3	-.1	2.1
Highway and street construction	11.4	11.7	10.8	-.3	.6
Special trade contractors	135.3	134.3	124.9	1.0	10.4
Transportation and Public Utilities	217.8	217.3	215.0	.5	2.7
Railroad transportation	12.8	12.9	13.3	-.1	-.6
Transportation, except railroads	117.7	116.8	113.4	.9	4.2
Trucking and warehousing	79.7	79.1	77.3	.6	2.4
Communication, electric, gas services	87.3	87.6	88.2	-.3	-.9
Communication	45.6	45.6	46.5	.0	-.9
Electric, gas, and sanitary services	41.8	42.0	41.8	-.3	.0
Wholesale Trade	265.8	263.7	258.4	2.1	7.4
Wholesale trade-durable goods	167.9	166.7	163.6	1.1	4.3
Motor vehicles & automotive equipment	23.2	23.1	22.7	.1	.5
Electrical goods	18.7	18.5	18.4	.2	.3
Machinery, equipment, and supplies	71.4	71.1	69.8	.4	1.6
Wholesale trade-nondurable goods	98.0	97.0	94.9	1.0	3.1
Groceries and related products	31.3	31.0	30.4	.3	1.0
Retail Trade	923.4	920.1	891.8	3.3	31.6
General merchandise stores	125.5	122.3	123.2	3.2	2.4
Department stores	106.7	104.2	105.4	2.5	1.2
Food stores	147.3	146.9	141.9	.4	5.4
Automotive dealers & service stations	100.8	100.5	96.9	.3	3.9
Apparel and accessory stores	48.2	47.1	45.9	1.1	2.2
Eating and drinking places	308.9	313.6	303.6	-4.7	5.4
Finance, Insurance, and Real Estate	257.4	257.8	252.1	-.3	5.3
Banking	65.1	65.4	64.1	-.3	1.0
Credit agencies other than banks	38.6	38.6	37.9	.0	.6
Insurance carriers	70.9	71.0	70.3	-.1	.6
Life insurance	26.2	26.2	25.9	.0	.3
Fire, marine, and casualty insurance	31.7	31.8	31.1	-.1	.5
Services	1154.9	1160.2	1105.1	-5.3	49.8
Hotels and other lodging places	37.5	39.1	36.6	-1.6	1.0
Personal services	59.6	59.1	57.2	.5	2.4
Laundry, cleaning, & garment services	19.8	19.6	19.3	.2	.5
Business services	247.7	246.3	229.6	1.4	18.1
Services to buildings	33.6	34.2	32.2	-.5	1.5
Computer and data processing services	24.4	24.2	22.2	.2	2.2
Amusement and recreation services	38.2	51.5	38.2	-13.3	.0
Health services	386.4	385.8	374.2	.6	12.2
Nursing and personal care facilities	84.9	85.1	82.5	-.2	2.4
Hospitals	187.5	187.6	183.1	.0	4.5
Educational services	68.4	62.1	66.5	6.3	1.8
Colleges and universities	38.6	33.5	37.5	5.0	1.1
Government	711.7	685.3	702.2	26.4	9.5
Federal government	95.6	95.5	94.4	.1	1.2
State government	164.0	149.7	161.6	14.4	2.4
State government education	89.5	74.0	88.3	15.5	1.2
State government, except education	74.6	75.7	73.3	-1.1	1.3
Local government	452.0	440.1	446.1	11.9	5.9
Local government education	265.4	252.0	261.1	13.5	4.3
Local government, except education	186.6	188.2	185.0	-1.6	1.6

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

Ohio

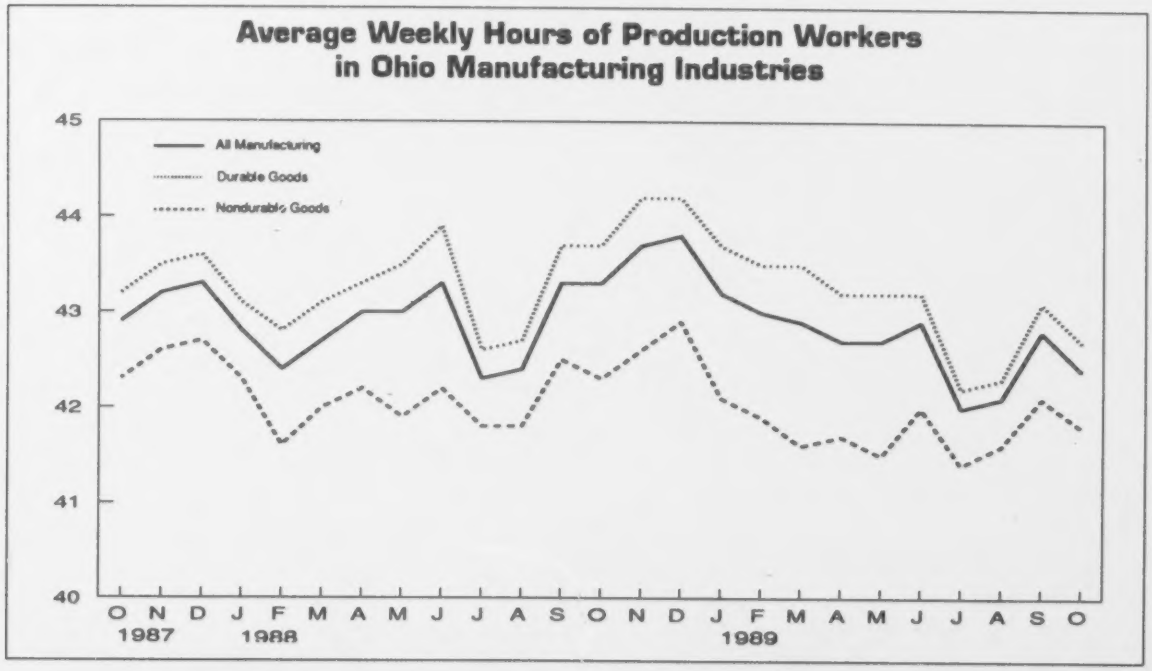
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]
Manufacturing	$521.94	$528.58	$523.06	42.4	42.8	43.3	$12.31	$12.35	$12.08
Durable Goods[e]	541.86	548.66	546.69	42.7	43.1	43.7	12.69	12.73	12.51
Lumber and wood products	333.70	335.36	327.96	40.4	40.6	42.1	8.26	8.26	7.79
Furniture and fixtures	377.81	378.84	366.79	40.8	41.0	40.8	9.26	9.24	8.99
Stone, clay, and glass products	481.34	471.16	468.47	42.9	42.6	42.9	11.22	11.06	10.92
Glass and glassware, pressed or blown	516.38	500.74	509.12	42.5	42.4	43.0	12.15	11.81	11.84
Primary metal industries	611.40	627.64	628.60	43.3	44.2	44.9	14.12	14.20	14.00
Blast furnace and basic steel products	617.33	625.78	636.53	43.2	43.7	44.7	14.29	14.32	14.24
Iron and steel foundries	633.05	659.18	669.76	43.3	44.3	46.0	14.62	14.88	14.56
Nonferrous rolling and drawing	676.18	699.49	661.42	42.5	43.8	43.4	15.91	15.97	15.24
Fabricated metal products	511.98	523.98	522.97	42.0	42.6	43.4	12.19	12.30	12.05
Cutlery, hand tools, and hardware	519.50	518.65	490.84	41.1	41.0	40.7	12.64	12.65	12.06
Fabricated structural metal products	465.98	457.45	463.86	42.4	42.2	42.4	10.99	10.84	10.94
Metal forgings and stampings	631.12	671.59	644.47	42.3	44.3	44.6	14.92	15.16	14.45
Machinery, except electrical	534.92	536.98	537.14	43.0	43.2	44.1	12.44	12.43	12.18
Construction and related machinery	447.01	448.22	431.01	40.6	40.6	40.7	11.01	11.04	10.59
Metalworking machinery	514.17	515.04	519.30	43.5	43.5	45.0	11.82	11.84	11.54
Special industry machinery	535.60	533.32	520.95	45.7	45.7	45.3	11.72	11.67	11.50
General industrial machinery	578.88	567.20	541.80	43.2	43.1	43.0	13.40	13.16	12.60
Office and computing machines	477.28	480.82	453.11	42.5	42.4	41.8	11.23	11.34	10.84
Refrigeration and service machinery	557.12	557.59	642.52	40.4	40.7	44.9	13.79	13.70	14.31
Electric and electronic equipment	465.37	462.56	470.12	41.7	41.3	41.9	11.16	11.20	11.22
Electrical industrial apparatus	482.68	478.27	486.42	43.8	43.4	44.1	11.02	11.02	11.03
Household appliances	485.62	475.56	486.02	40.3	39.4	40.3	12.05	12.07	12.06
Electric lighting and wiring equipment	469.68	459.20	478.72	40.7	40.0	41.7	11.54	11.48	11.48
Communication equipment	559.45	588.80	459.76	44.9	46.0	39.6	12.46	12.80	11.61
Transportation equipment	713.46	724.36	699.79	44.9	45.5	45.5	15.89	15.92	15.38
Motor vehicles and equipment	738.12	755.58	735.76	45.2	46.1	46.1	16.33	16.39	15.96
Aircraft and parts	673.20	658.16	599.18	45.0	44.5	43.8	14.96	14.79	13.68
Instruments and related products	383.40	382.99	376.48	40.4	40.4	40.7	9.49	9.48	9.25
Measuring and controlling devices	373.07	372.68	365.24	38.5	38.7	39.4	9.69	9.63	9.27
Nondurable Goods[f]	477.77	482.05	467.84	41.8	42.1	42.3	11.43	11.45	11.06
Food and kindred products	456.20	456.12	440.37	41.7	42.0	42.1	10.94	10.86	10.46
Meat products	372.04	387.18	363.21	41.2	42.5	41.7	9.03	9.11	8.71
Dairy products	458.39	488.51	449.86	41.9	43.5	42.4	10.94	11.23	10.61
Preserved fruits and vegetables	481.20	455.67	461.36	42.1	41.5	42.6	11.43	10.98	10.83
Bakery products	484.79	476.71	468.45	39.9	39.3	39.8	12.15	12.13	11.77
Beverages	427.28	424.09	440.91	40.5	40.7	41.4	10.55	10.42	10.65
Apparel and other textile products	292.11	295.27	308.73	39.0	38.8	41.0	7.49	7.61	7.53
Paper and allied products	503.97	514.87	498.27	43.9	44.5	43.9	11.48	11.57	11.35
Misc. converted paper products	456.93	449.67	430.72	43.6	43.7	42.9	10.48	10.29	10.04
Paperboard containers and boxes	437.08	435.50	440.15	42.6	42.2	42.9	10.26	10.32	10.26
Printing and publishing	467.57	469.57	448.33	40.1	40.1	39.5	11.66	11.71	11.35
Newspapers	392.85	390.44	381.64	34.4	34.4	34.6	11.42	11.35	11.03
Commercial printing	473.91	476.99	449.49	42.2	42.1	41.2	11.23	11.33	10.91
Chemicals and allied products	576.96	581.20	554.17	41.9	42.3	42.4	13.77	13.74	13.07
Industrial inorganic chemicals	611.09	606.99	601.66	43.9	43.7	44.9	13.92	13.89	13.40
Rubber and misc. plastics products	443.73	453.69	454.14	42.1	42.6	43.5	10.54	10.65	10.44
Tires and inner tubes	684.66	691.51	667.58	44.2	44.7	45.6	15.49	15.47	14.64
Miscellaneous plastics products	420.81	436.72	438.34	41.5	42.4	43.4	10.14	10.30	10.10

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]
Mining	$615.17	$614.72	$549.07	45.4	45.4	43.2	$13.55	$13.54	$12.71
Bituminous coal and lignite mining	755.33	755.43	657.70	44.8	45.1	41.6	16.86	16.75	15.81
Construction	627.07	609.49	617.42	40.3	39.5	40.7	15.56	15.43	15.17
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	599.24	607.78	571.02	41.1	41.6	40.7	14.58	14.61	14.03
Communication	569.63	590.36	548.97	40.2	41.4	40.1	14.17	14.26	13.69
Electric, gas, and sanitary services	634.27	628.50	598.85	42.2	41.9	41.5	15.03	15.00	14.43
Wholesale Trade	407.93	408.46	399.06	39.3	39.2	39.2	10.38	10.42	10.18
Wholesale trade-durable goods	398.82	400.23	388.83	39.1	39.2	39.0	10.20	10.21	9.97
Wholesale trade-nondurable goods	423.32	423.26	416.59	39.6	39.3	39.6	10.69	10.77	10.52
Retail Trade[h]	175.18	175.85	167.31	28.3	28.5	28.6	6.19	6.17	5.85
General merchandise stores	184.47	187.56	179.07	28.6	28.9	28.2	6.45	6.49	6.35
Department stores	189.30	192.14	184.32	28.9	29.2	28.4	6.55	6.58	6.49
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Banking	271.58	269.89	266.06	....	....	....	.....	.....	.....
Credit agencies other than banks	282.92	276.72	272.34	....	....	....	.....	.....	.....
Insurance carriers	394.35	394.15	378.13	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	358.02	359.90	340.96	32.4	32.6	33.2	11.05	11.04	10.27

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [h]Money payments only; tips not included. [i]Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.



Labor Surplus Areas in Ohio

Labor Surplus Area

Designated by U.S. Department of Labor.

The U.S. Department of Labor has designated labor surplus areas for the period October 1, 1989 through September 30, 1990. Employers located in labor surplus areas can be given preference in bidding on federal procurement contracts under Executive Orders 12073 (Federal Procurement in Labor Surplus Areas) and 10582 (Implementing the Buy American Act). Designated areas in Ohio are listed below.

The classification, Labor Surplus Area, is assigned on a county level unless a county contains a city or cities with a population of 25,000 or more. In that case, the city or cities and the balance-of-county are classified separately. A qualifying city is listed below only if the entire county in which it is located does not qualify. To qualify as a labor surplus area during this period, the average unemployment rate in the specified area for the two-year period January 1987 through December 1988 must be at least 7.1 percent.

In exceptional circumstances, the Ohio Bureau of Employment Services may petition the Employment and Training Administration, U.S. Department of Labor, to waive the regular criteria when an area experiences a significant increase in unemployment which is not temporary or seasonal and which was not adequately reflected in data for the reference period. The unemployment rate for each of the most recent three months and projected for each of the next twelve months must be at least 7.1 percent.

Questions about Labor Surplus Areas may be directed to: Brian E. Baker, Chief, Labor Force Reports, OBES – LMI Division, 145 S. Front St., Columbus, OH 43215, phone (614) 644-2689, or to one of the Labor Market Analysts in the following areas:

Akron/Canton	Erich Hetzel	(216) 434-2141
Bowling Green	Don Wonnell	(419) 865-7248
Cincinnati	Gary Flesch	(513) 852-3180
Cleveland	Thomas Buescher	(216) 888-6900
Steubenville	Pietro Scaffidi	(614) 283-4165
Youngstown	Donald Curry	(216) 744-5201

Labor Surplus Areas in Ohio

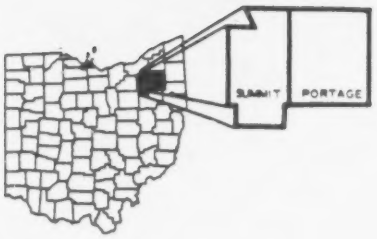
Cities

Akron
Barberton
Canton
Cleveland
Dayton
East Cleveland
Elyria
Hamilton
Lancaster
Lima
Lorain
Mansfield
Marion
Massillon
Middletown
Newark
Toledo
Warren
Youngstown
Zanesville

Counties

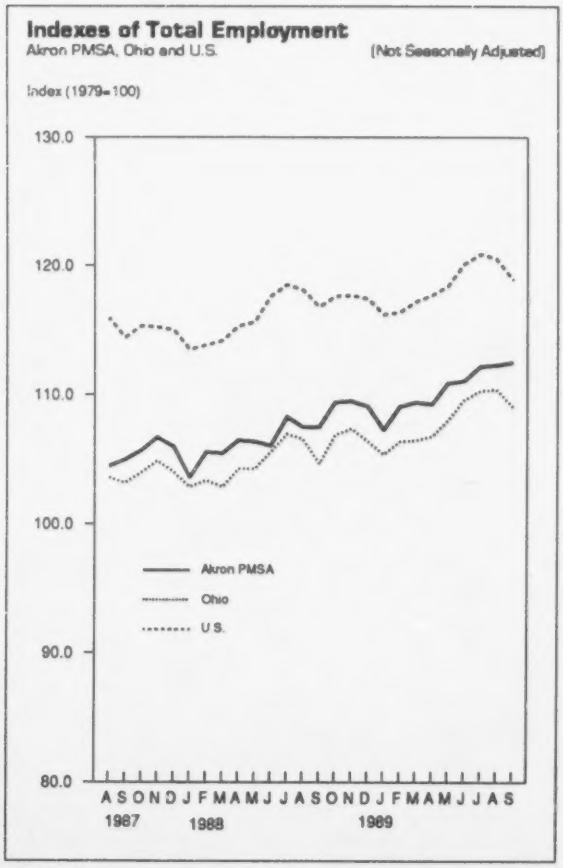
Adams
Ashtabula
Belmont
Brown
Carroll
Columbiana
Coshocton
Crawford
Darke
Defiance
Fayette
Fulton
Gallia
Guernsey
Hardin
Harrison
Henry
Highland
Hocking
Huron
Jackson
Jefferson
Knox
Lawrence
Meigs
Mercer
Monroe
Morgan
Morrow
Muskingum (less Zanesville City)
Noble
Ottawa
Perry
Pike
Putnam
Ross
Sandusky
Scioto
Seneca
Trumbull (less Warren City)
Tuscarawas
Vinton
Washington

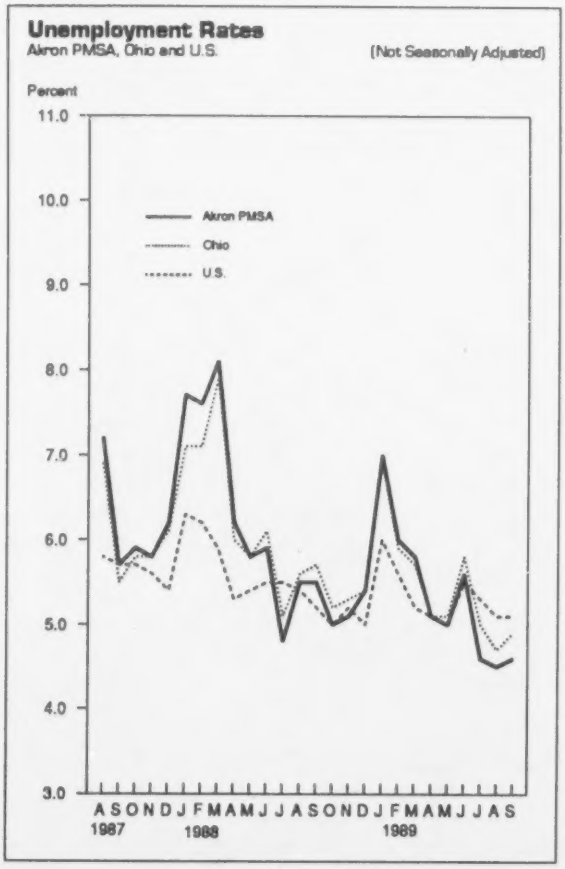
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



Total nonfarm payroll employment in the Akron metropolitan area totaled 287,200 in October 1989, up 400 from the September level. The continued return of nonteaching personnel in state and local schools and colleges outweighed a seasonal reduction in amusement and recreation services. Manufacturing employment was unchanged over the month, at 66,100. Factory production workers averaged $11.61 per hour, down $.09 from September. Their average workweek of 42.1 hours was .9 hours shorter.

Nonagricultural wage and salary employment advanced 9,900 between October 1988 and October 1989. Leading growth industries were services, especially business services, and retail trade. Noteworthy gains also occurred in state and local schools and colleges and in construction. The manufacturing division added 700 jobs over the year due to scattered increases among producers of both durable and nondurable goods. Employment in nonelectrical machinery and chemicals and allied products declined.



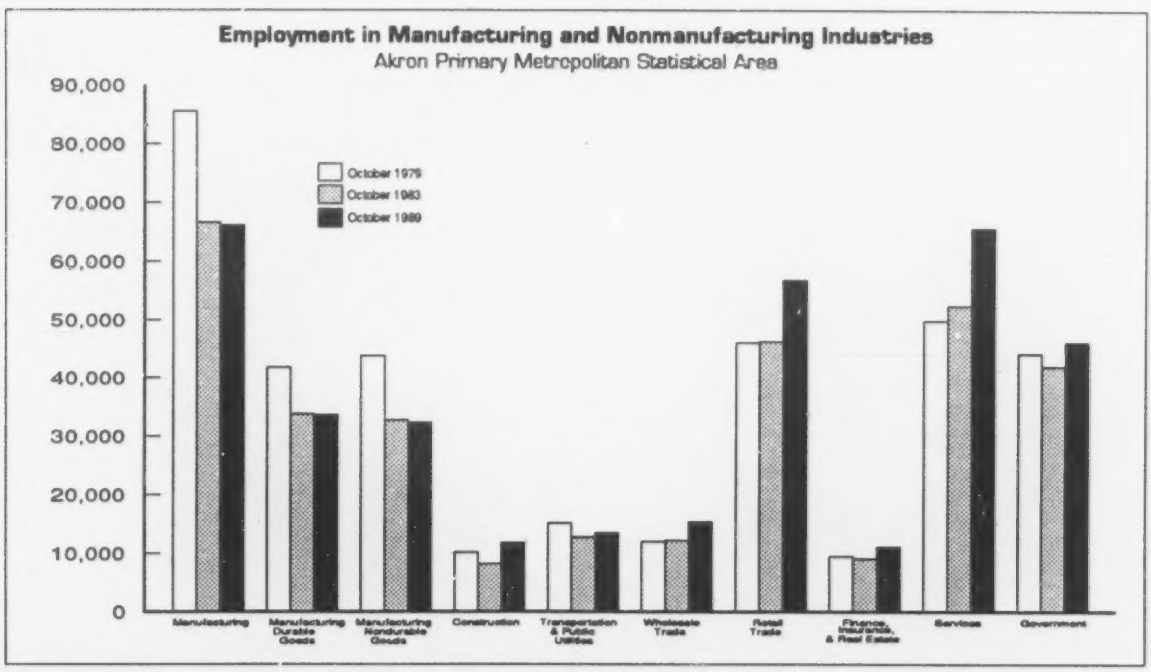


Akron PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	$304.14	42.3	$ 7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
325.3	305.6	19.7	6.0	1988	271.9	65.8	37.5	496.37	43.2	11.49
				1988						
324.8	306.9	17.9	5.5	September	276.8	65.4	37.3	489.89	43.2	11.34
328.7	312.2	16.5	5.0	October	277.2	65.4	37.5	488.78	42.8	11.42
329.3	312.4	16.9	5.1	November	281.7	67.0	39.2	496.78	42.9	11.58
329.3	311.3	17.9	5.4	December	279.7	66.6	39.0	493.06	43.1	11.44
				1989						
329.4	306.2	23.2	7.0	January	268.3	66.8	39.1	489.77	42.7	11.47
331.3	311.4	19.9	6.0	February	273.8	66.3	38.9	483.36	42.4	11.40
331.2	312.1	19.1	5.8	March	276.6	66.1	38.7	488.49	42.7	11.44
328.6	311.8	16.7	5.1	April	279.0	66.1	38.9	485.18	42.3	11.47
333.1	316.5	16.6	5.0	May	283.1	66.0	38.8	486.62	42.6	11.47
335.7	317.0	18.7	5.6	June	279.7	66.2	38.9	477.14	42.3	11.28
335.4	320.1	15.3	4.6	July	278.6	66.3	38.8	471.92	41.8	11.29
335.6	320.6	15.0	4.5	August	278.9	66.0	38.6	480.95	42.3	11.37
336.5	321.1	15.4	4.6	September	286.8	66.0	38.8	503.10	43.0	11.70
INA	INA	INA	INA	October	287.2	66.1	38.8	488.78	42.1	11.61

INA – information not available



Nonagricultural Wage and Salary Employment[a]

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	October 1989[b]	September 1989[c]	October 1988[c]	From Last Month	From Last Year
Total	287.2	286.8	277.2	.4	9.9
Manufacturing	66.1	66.0	65.4	.0	.7
Durable Goods[e]	33.7	33.6	33.2	.1	.5
Fabricated metal products	11.0	10.9	11.0	.1	.1
Machinery, except electrical	9.6	9.6	9.8	.0	-.2
Metalworking machinery	3.5	3.5	3.4	.0	.1
Nondurable Goods[f]	32.4	32.4	32.2	.0	.2
Food and kindred products	2.9	2.9	2.9	.0	.0
Chemicals and allied products	3.4	3.5	3.5	.0	-.1
Rubber and misc. plastics products	19.4	19.4	19.4	.0	.0
Tires and inner tubes	10.0	10.1	10.4	.0	-.4
Nonmanufacturing[g]	221.1	220.7	211.8	.4	9.3
Construction	11.8	11.7	10.9	.1	.9
Transportation and Public Utilities	13.5	13.5	13.1	.0	.4
Communication, electric, gas services	4.7	4.8	4.9	-.1	-.2
Wholesale Trade	15.3	15.2	14.8	.2	.6
Retail Trade	56.8	56.8	54.7	.0	2.1
General merchandise stores	6.8	6.6	6.7	.2	.2
Finance, Insurance, and Real Estate	11.0	11.0	10.7	.1	.3
Banking	3.2	3.2	3.1	.0	.1
Services	65.7	67.0	61.9	-1.3	3.7
Business services	15.0	15.0	13.5	.0	1.5
Amusement and recreation services	3.3	4.8	2.8	-1.4	.5
Health services	20.8	20.6	20.3	.1	.4
Government	46.2	44.8	45.1	1.4	1.1
State government	17.5	16.8	17.0	.7	.5
State government education[f]	14.7	13.9	14.1	.8	.6
State government, except education	2.8	2.9	2.9	-.1	-.1
Local government	26.2	25.5	25.6	.7	.6
Local government education	14.9	14.1	14.5	.7	.4
Local government, except education	11.3	11.3	11.2	.0	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]
Manufacturing	$488.78	$503.10	$488.78	42.1	43.0	42.8	$11.61	$11.70	$11.42
Durable Goods[e]	505.20	529.64	501.93	42.1	43.7	42.9	12.00	12.12	11.70
Fabricated metal products	631.33	698.42	639.17	42.6	46.1	43.1	14.82	15.15	14.83
Machinery, except electrical	469.29	479.81	467.74	43.9	44.8	45.5	10.69	10.71	10.28
Metalworking machinery	506.92	508.73	483.80	44.9	45.1	45.3	11.29	11.28	10.68
Nondurable Goods[f]	465.78	469.26	471.84	42.0	42.2	42.7	11.09	11.12	11.05
Food and kindred products	395.01	408.41	447.32	41.8	42.9	42.2	9.45	9.52	10.60
Chemicals and allied products	535.99	546.75	503.16	43.4	44.2	42.0	12.35	12.37	11.98
Rubber and misc. plastics products	476.15	486.33	491.48	42.4	43.0	44.0	11.23	11.31	11.17
Tires and inner tubes	778.05	779.69	765.60	47.5	47.6	48.0	16.38	16.38	15.95
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	595.91	608.19	585.81	40.9	41.6	41.4	14.57	14.62	14.15
Wholesale Trade	349.90	356.36	345.14	36.6	36.7	36.6	9.56	9.71	9.43
Retail Trade[h]	209.98	211.68	202.54	31.2	31.5	32.2	6.73	6.72	6.29

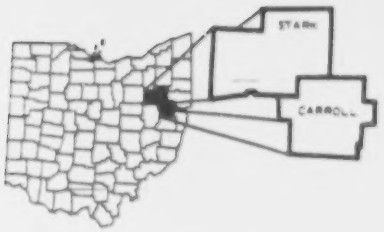
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Akron PMSA

	October 1989	Sept. 1989	October 1988
Employment Service Program			
New Applicants	1,994	1,628	2,313
Active File of Job Seekers	9,297	9,960	15,316
Referrals to Jobs	818	781	1,358
Placements	198	194	471
Job Openings Received	397	423	522
Job Openings Unfilled	1,225	1,452	1,094
Unemployment Insurance Program			
Initial Claims	2,464	1,705	2,282
Continued Claims	16,102	14,287	14,339
First Payments	994	792	939
Last Payments	258	289	293
Weeks Compensated	12,096	12,666	11,416
Benefits Paid	$1,841,811	$1,902,619	$1,682,648
Average Weekly Payment	$160.41	$158.00	$152.04

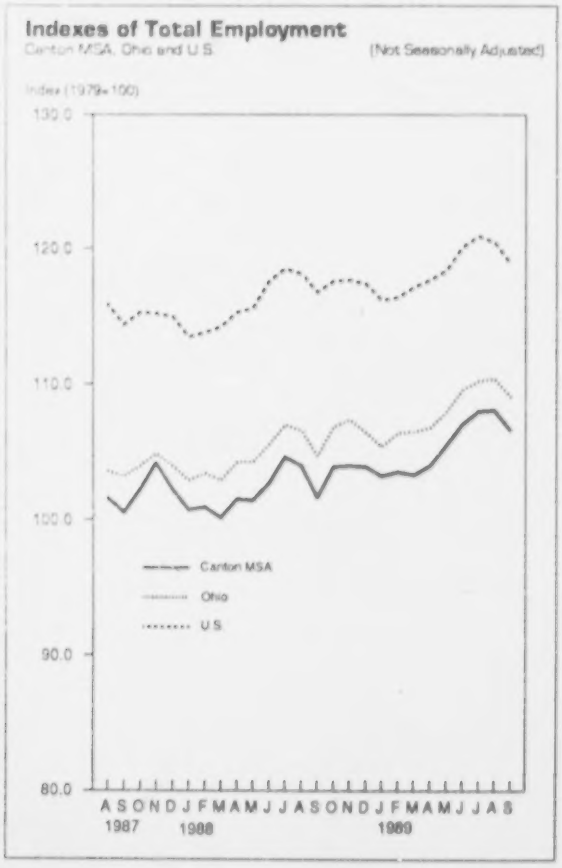
CANTON
METROPOLITAN STATISTICAL AREA

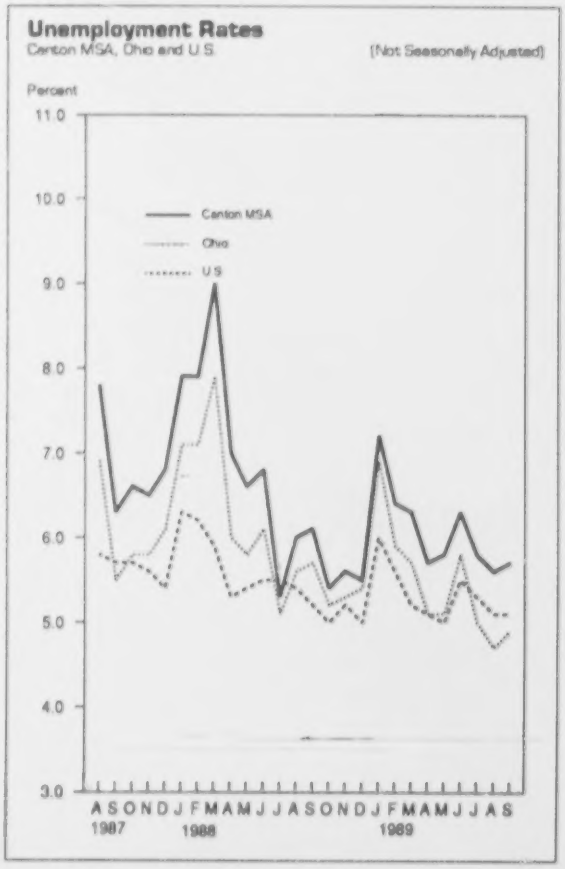


Note: Canton metropolitan area statistics are no longer funded by the U.S. Bureau of Labor Statistics.

In the Canton metropolitan area, total nonfarm payroll employment declined 3,700 from the September level to 162,800 in October 1989. A labor-management dispute in durable-goods industries lowered manufacturing employment 4,900 to 40,700. The return of nonteaching personnel in local schools and modest growth in services, construction, and retail trade raised nonmanufacturing employment 1,200. Factory production workers averaged $11.53 per hour, down $.29 from September. Their average workweek declined .1 hours to 41.8 hours.

Nonagricultural wage and salary employment advanced 600 between October 1988 and October 1989. The nonmanufacturing division increased 5,200 during the period. Significant expansion occurred in services and retail trade. A significant drop in durable-goods employment due to current labor-management disputes reduced the manufacturing workforce 4,500.





Canton MSA Labor Force and Employment Data

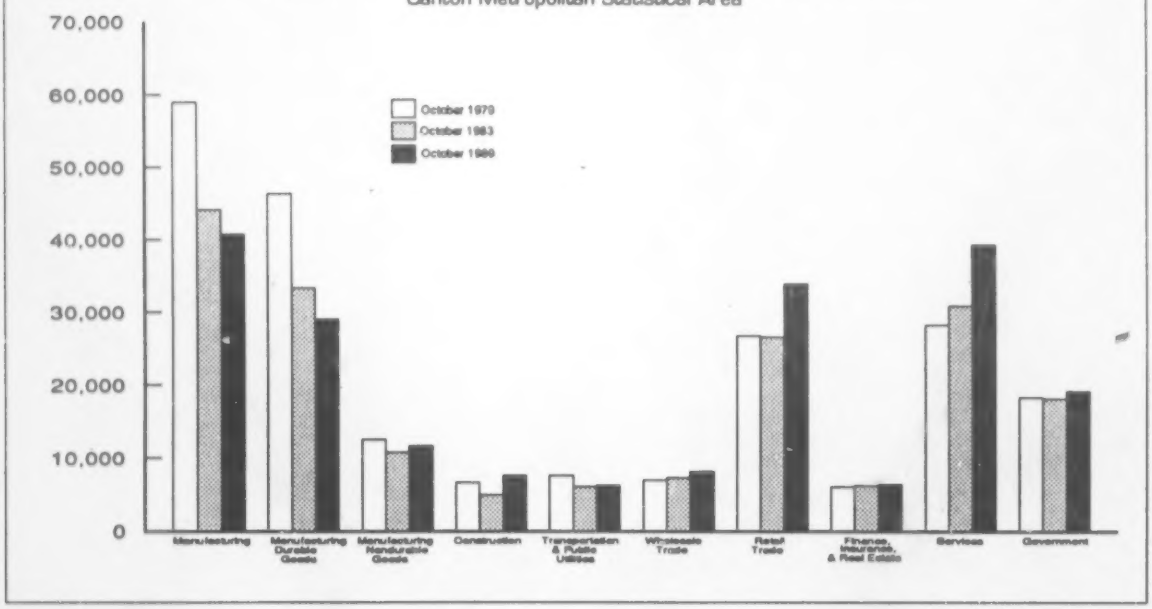
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	$304.67	40.3	$ 7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	159.5	44.9	32.1	489.49	42.9	11.41
				1988						
188.0	176.5	11.5	6.1	September	160.9	45.1	32.2	487.34	42.6	11.44
190.9	180.5	10.3	5.4	October	162.2	45.3	32.4	493.78	42.9	11.51
191.4	180.7	10.7	5.6	November	163.6	45.4	32.7	490.78	42.9	11.44
191.0	180.5	10.4	5.5	December	163.0	45.7	33.0	499.23	43.0	11.61
				1989						
193.0	179.2	13.9	7.2	January	160.0	46.0	33.2	500.39	43.1	11.61
192.1	179.7	12.3	6.4	February	159.1	45.3	32.5	491.90	42.7	11.52
191.5	179.4	12.1	6.3	March	160.0	45.2	32.4	497.03	42.3	11.75
191.7	180.7	11.0	5.7	April	162.7	45.5	32.7	496.27	42.2	11.76
194.6	183.3	11.3	5.8	May	165.0	45.8	32.9	497.20	42.1	11.81
198.4	185.9	12.4	6.3	June	165.7	45.9	32.9	500.49	42.2	11.86
199.3	187.6	11.6	5.8	July	165.2	45.4	32.5	482.10	41.1	11.73
198.7	187.7	11.0	5.6	August	165.1	45.5	32.7	496.44	42.0	11.82
196.2	185.1	11.1	5.7	September	166.5	45.6	32.7	495.26	41.9	11.82
INA	INA	INA	INA	October	162.8	40.7	27.8	481.95	41.8	11.53

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries

Canton Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	October 1989[b]	September 1989[c]	October 1988[c]	From Last Month	From Last Year
Total	162.8	166.5	162.2	-3.7	.6
Manufacturing	40.7	45.6	45.3	-4.9	-4.5
Durable Goods[e]	29.0[j]	33.8	33.4	-4.8	-4.4
Primary metal industries	9.1[j]	11.5	11.3	-2.4	-2.2
Fabricated metal products	6.4	6.5	6.6	.0	-.2
Metal forgings and stampings	2.3	2.3	2.2	.0	.1
Nondurable Goods[f]	11.7	11.8	11.9	-.1	-.2
Food and kindred products	3.3	3.4	3.2	-.1	.1
Rubber and misc. plastics products	3.0	2.9	3.1	.0	-.1
Nonmanufacturing[g]	122.1	120.9	116.9	1.2	5.2
Construction	7.6	7.5	6.9	.2	.7
Transportation and Public Utilities	6.2	6.2	5.9	.0	.3
Communication, electric, gas services	2.7	2.7	2.7	.0	.0
Wholesale Trade	8.2	8.2	8.1	.0	.1
Wholesale trade-durable goods	4.5	4.4	4.5	.0	.0
Retail Trade	33.9	33.8	32.1	.2	1.8
General merchandise stores	4.2	4.1	4.1	.1	.1
Food stores	5.8	5.8	5.4	.1	.4
Finance, Insurance, and Real Estate	6.4	6.4	6.4	.0	.0
Banking	1.8	1.8	1.8	.0	.1
Services	39.4	39.1	37.5	.3	1.9
Health services	15.6	15.5	15.4	.1	.2
Government	19.3	18.8	19.2	.5	.1
State government (includes education)	1.7	1.7	1.7	.0	.0
Local government	16.3	15.8	16.1	.5	.3
Local government education	9.9	9.4	9.8	.5	.1
Local government, except education	6.4	6.4	6.3	.0	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]
Manufacturing	$481.95	$495.26	$493.78	41.8	41.9	42.9	$11.53	$11.82	$11.51
Durable Goods[e]	513.68	523.98	523.41	42.7	42.6	43.8	12.03	12.30	11.95
Primary metal industries	565.42	588.67	589.23	42.9	43.8	45.5	13.18	13.44	12.95
Fabricated metal products	540.46	506.88	498.58	44.3	42.1	44.2	12.20	12.04	11.28
Metal forgings and stampings	574.33	555.81	562.38	41.8	40.6	41.2	13.74	13.69	13.65
Nondurable Goods[f]	401.94	404.32	405.02	39.6	39.6	40.3	10.15	10.21	10.05
Food and kindred products	414.34	411.92	398.43	38.4	38.0	38.2	10.79	10.84	10.43
Rubber and misc. plastics products	394.13	403.24	404.01	40.8	41.4	41.1	9.66	9.74	9.83
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	581.76	604.66	569.74	40.4	41.5	40.9	14.40	14.57	13.93
Wholesale Trade	378.94	375.21	386.15	38.2	37.9	37.6	9.92	9.90	10.27
Retail Trade[h]	168.72	169.58	159.26	28.5	28.5	28.8	5.92	5.95	5.53

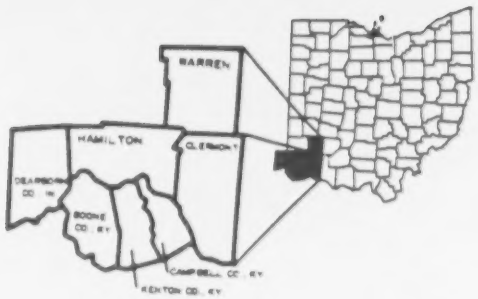
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Canton MSA

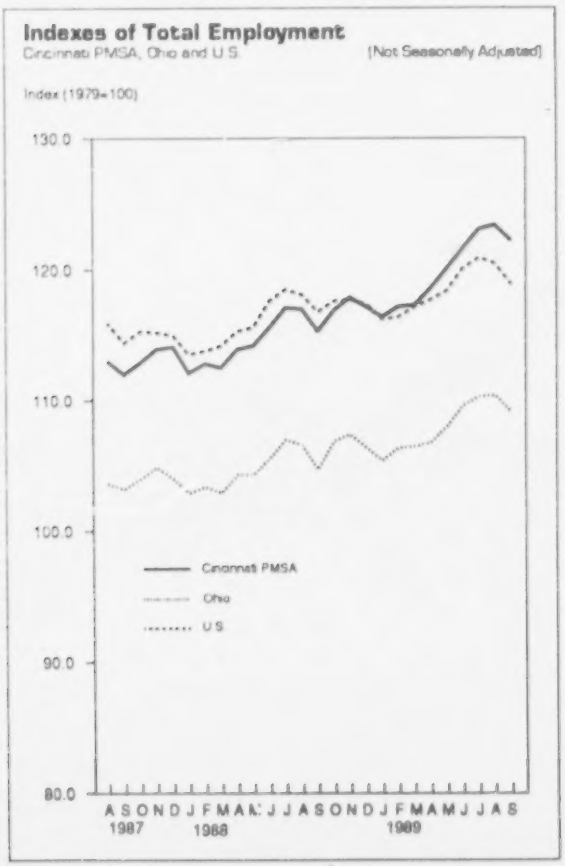
	October 1989	Sept. 1989	October 1988
Employment Service Program			
New Applicants	1,202	998	1,542
Active File of Job Seekers	7,433	7,547	12,259
Referrals to Jobs	738	737	1,025
Placements	60	51	266
Job Openings Received	316	454	614
Job Openings Unfilled	484	601	2,249
Unemployment Insurance Program			
Initial Claims	2,638	1,969	1,534
Continued Claims	11,990	10,771	8,576
First Payments	602	784	573
Last Payments	170	148	165
Weeks Compensated	8,178	9,563	6,744
Benefits Paid	$1,243,369	$1,471,810	$934,564
Average Weekly Payment	$165.39	$164.89	$143.74

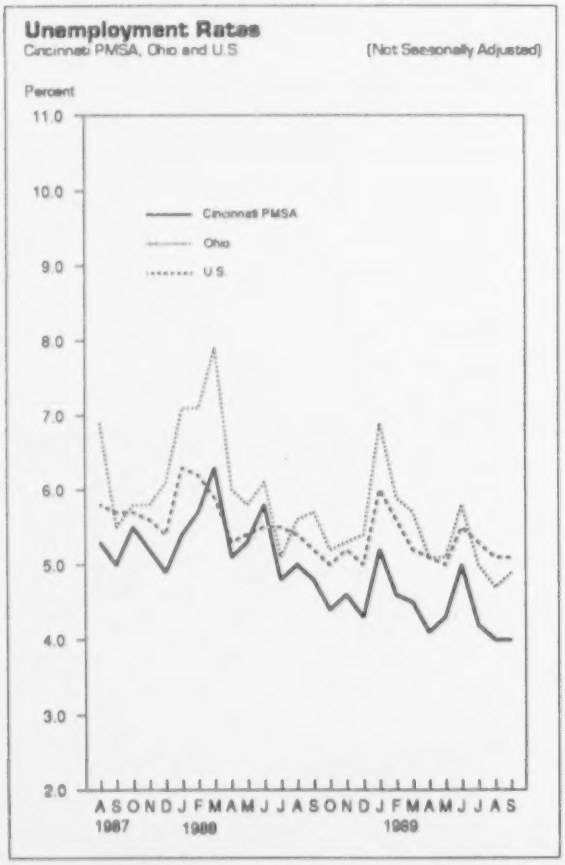
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural payroll employment in the Cincinnati metropolitan area totaled 745,700 in October 1989, up 1,200 from the September level. The continued return of nonteaching personnel in state and local schools and colleges and more business in retail trade more than offset seasonal reductions in amusement and recreation services. Manufacturing employment increased 100 over the month to 149,700. Improvements among producers of nondurable goods, especially food and kindred products, outweighed scattered declines in durable-goods industries. Factory production workers averaged $11.60 per hour, up slightly from September. Their average workweek was .1 hours shorter, at 43.2 hours.

Nonfarm wage and salary employment advanced 33,300 between October 1988 and October 1989. Leading growth industries were services and retail trade. Noteworthy expansion also occurred in construction and transportation and public utilities. The manufacturing workforce added 4,300 jobs during the period. Moderate gains were registered in nonelectrical machinery, chemicals and allied products, electric and electronic equipment, and food and kindred products.





Cincinnati PMSA Labor Force and Employment Data

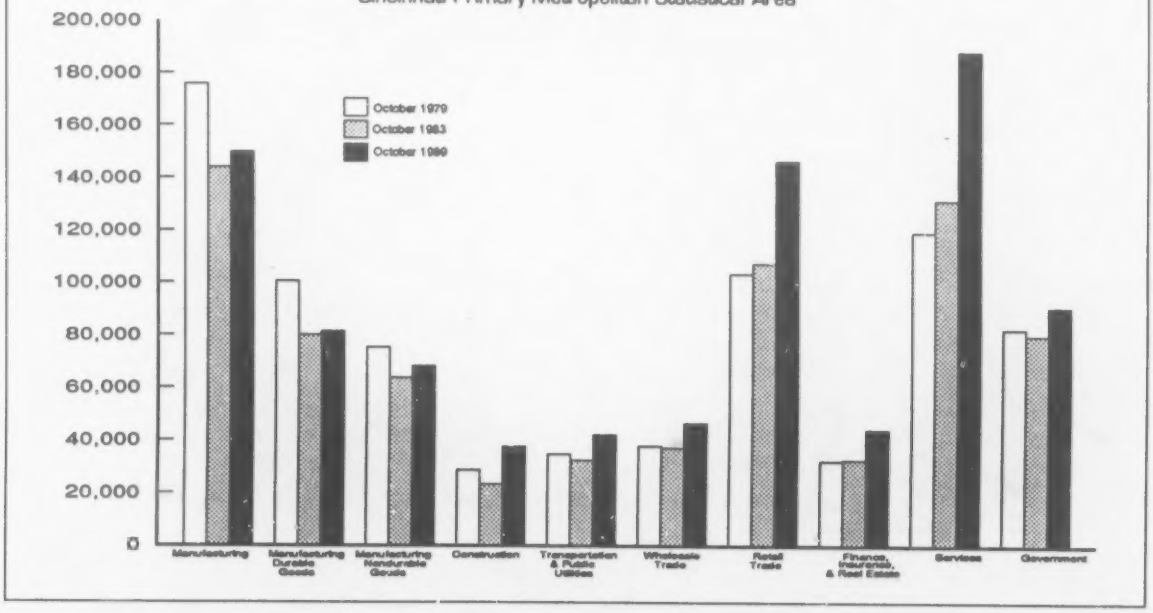
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	$286.70	42.1	$ 6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.3	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
762.7	723.7	39.0	5.1	1988	700.2	144.5	91.7	473.88	42.5	11.15
				1988						
760.7	724.2	36.5	4.8	September	711.9	145.8	92.7	483.75	43.0	11.25
768.5	734.3	34.2	4.4	October	712.4	145.3	92.0	484.18	43.0	11.26
776.3	740.8	35.5	4.6	November	720.5	146.3	92.6	487.46	43.1	11.31
768.8	736.1	32.7	4.3	December	718.6	146.6	92.6	492.86	43.5	11.33
				1989						
771.2	730.9	40.3	5.2	January	703.5	145.4	91.8	487.92	42.8	11.40
771.5	736.3	35.3	4.6	February	704.3	145.1	91.7	493.21	43.0	11.47
772.0	736.9	35.1	4.5	March	711.1	145.1	91.6	487.05	42.5	11.46
776.6	744.9	31.7	4.1	April	722.3	145.8	91.9	491.34	42.8	11.48
788.8	754.5	34.3	4.3	May	730.7	146.5	92.4	483.65	42.5	11.38
803.5	763.7	39.8	5.0	June	734.8	147.4	92.9	496.08	43.1	11.51
807.8	773.5	34.3	4.2	July	733.8	147.5	92.7	481.08	42.2	11.40
806.8	774.8	32.0	4.0	August	736.7	148.5	93.5	500.69	43.2	11.59
799.4	767.3	32.1	4.0	September	744.5	149.6	94.5	501.85	43.3	11.59
INA	INA	INA	INA	October	745.7	149.7	94.8	501.12	43.2	11.60

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries

Cincinnati Primary Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	October 1989[b]	September 1989[c]	October 1988[c]	From Last Month	From Last Year
Total	745.7	744.5	712.4	1.2	33.3
Manufacturing	149.7	149.6	145.3	.1	4.3
Durable Goods[e]	81.3	81.6	78.8	-.2	2.5
Fabricated metal products	10.8	10.9	10.8	-.1	.0
Fabricated structural metal products	3.8	3.9	3.8	-.1	.0
Machinery, except electrical	21.7	21.7	21.0	.0	.8
Metalworking machinery	8.8	8.8	8.8	.0	.0
General industrial machinery	3.0	3.1	3.0	.0	.0
Electric and electronic equipment	9.3	9.2	8.6	.1	.6
Transportation equipment	24.0	24.1	24.1	-.1	-.1
Motor vehicles and equipment	4.7	5.0	5.0	-.3	-.3
Nondurable Goods[f]	68.3	68.0	66.5	.3	1.8
Food and kindred products	13.6	13.3	13.1	.3	.5
Beverages	3.5	3.3	3.7	.2	-.2
Apparel and other textile products	3.7	3.7	3.4	.0	.3
Paper and allied products	6.2	6.1	6.1	.1	.1
Printing and publishing	13.7	13.6	13.5	.1	.2
Commercial printing	6.4	6.3	6.2	.0	.2
Chemicals and allied products	22.9	22.8	22.1	.0	.8
Rubber and misc. plastics products	6.3	6.4	6.0	-.1	.3
Nonmanufacturing[g]	596.1	594.9	567.0	1.2	29.0
Construction	37.5	37.1	34.3	.4	3.3
Transportation and Public Utilities	42.0	41.7	39.3	.3	2.6
Trucking and warehousing	12.2	12.0	11.2	.2	1.0
Communication, electric, gas services	16.1	16.1	15.4	.0	.7
Wholesale Trade	46.6	46.2	45.0	.4	1.6
Wholesale trade-durable goods	27.2	27.1	26.6	.1	.6
Retail Trade	146.4	145.3	138.5	1.1	8.0
General merchandise stores	21.0	20.6	20.5	.4	.4
Finance, Insurance, and Real Estate	43.9	44.0	42.6	-.1	1.3
Banking	9.5	9.6	9.1	-.1	.4
Insurance carriers	14.5	14.4	14.5	.1	.0
Services	188.5	191.2	177.6	-2.7	10.9
Hotels and other lodging places	7.8	8.1	7.4	-.2	.4
Personal services	9.7	9.6	9.0	.1	.7
Business services	48.3	48.8	44.6	-.5	3.7
Amusement and recreation services	9.6	12.0	7.6	-2.4	2.0
Health services	55.9	55.9	54.4	.0	1.5
Hospitals	26.6	26.6	26.0	.0	.6
Government	90.6	88.8	89.2	1.8	1.4
Federal government	15.3	15.3	15.3	.0	.0
State government	21.3	20.2	20.4	1.1	.9
State government education	13.1	11.9	12.6	1.2	.5
State government, except education	8.2	8.3	7.8	-.1	.4
Local government	54.0	53.3	53.5	.7	.5
Local government education	30.5	29.4	30.4	1.0	.1
Local government, except education	23.5	23.9	23.1	-.3	.4

Hours and Earnings of Production or Nonsupervisory Workers[a]

Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]
Manufacturing	$501.12	$501.85	$484.18	43.2	43.3	43.0	$11.60	$11.59	$11.26
Durable Goods[e]	493.46	494.33	483.23	43.4	43.4	43.3	11.37	11.39	11.16
Fabricated metal products	428.85	426.43	436.60	43.1	42.9	43.4	9.95	9.94	10.06
Fabricated structural metal products	488.96	487.88	492.97	45.4	45.3	45.9	10.77	10.77	10.74
Machinery, except electrical	440.16	447.11	441.01	42.0	42.3	42.9	10.48	10.57	10.28
Metalworking machinery	485.48	486.20	492.83	42.4	42.5	44.2	11.45	11.44	11.15
General industrial machinery	418.14	438.05	408.66	40.4	41.6	41.7	10.35	10.53	9.80
Electric and electronic equipment	375.65	382.69	355.77	41.6	42.1	40.2	9.03	9.09	8.85
Transportation equipment	788.71	784.43	715.18	47.2	47.0	46.2	16.71	16.69	15.48
Motor vehicles and equipment	869.40	914.64	853.29	48.3	50.2	49.9	18.00	18.22	17.10
Nondurable Goods[f]	508.69	510.07	485.07	43.0	43.3	42.7	11.83	11.78	11.36
Food and kindred products	519.92	528.19	524.35	44.4	44.8	44.1	11.71	11.79	11.89
Beverages	551.68	558.52	504.23	42.7	42.7	40.5	12.92	13.08	12.45
Apparel and other textile products	252.41	247.16	237.34	39.5	38.8	39.1	6.39	6.37	6.07
Paper and allied products	476.33	471.97	443.99	43.5	43.3	43.7	10.95	10.90	10.16
Printing and publishing	492.06	496.10	451.09	41.7	41.9	39.5	11.80	11.84	11.42
Commercial printing	533.86	546.02	487.05	44.6	45.2	42.5	11.97	12.08	11.46
Chemicals and allied products	616.94	605.00	572.76	43.6	43.4	43.0	14.15	13.94	13.32
Rubber and misc. plastics products	408.16	442.26	443.68	43.1	45.5	47.1	9.47	9.72	9.42
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	596.01	601.64	575.87	40.6	40.9	40.9	14.68	14.71	14.08
Wholesale Trade	418.80	420.25	420.85	40.0	40.1	41.3	10.47	10.48	10.19
Retail Trade[h]	174.53	171.91	167.91	28.8	28.7	29.0	6.06	5.99	5.79
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Banking	268.53	264.44	262.95	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

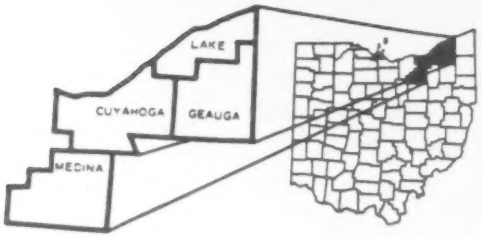
Selected Administrative Program Activities[a]

Cincinnati PMSA

	October 1989	Sept. 1989	October 1988
Employment Service Program			
New Applicants	3,032	2,660	3,402
Active File of Job Seekers	13,076	14,250	20,459
Referrals to Jobs	2,367	2,027	2,389
Placements	309	204	760
Job Openings Received	772	1,030	1,394
Job Openings Unfilled	1,849	2,059	2,990
Unemployment Insurance Program			
Initial Claims	4,236	2,872	3,279
Continued Claims	27,412	23,763	23,768
First Payments	2,153	1,591	1,379
Last Payments	429	428	416
Weeks Compensated	21,401	21,175	18,163
Benefits Paid	$3,368,929	$3,231,219	$2,704,086
Average Weekly Payment	$161.02	$157.39	$151.49

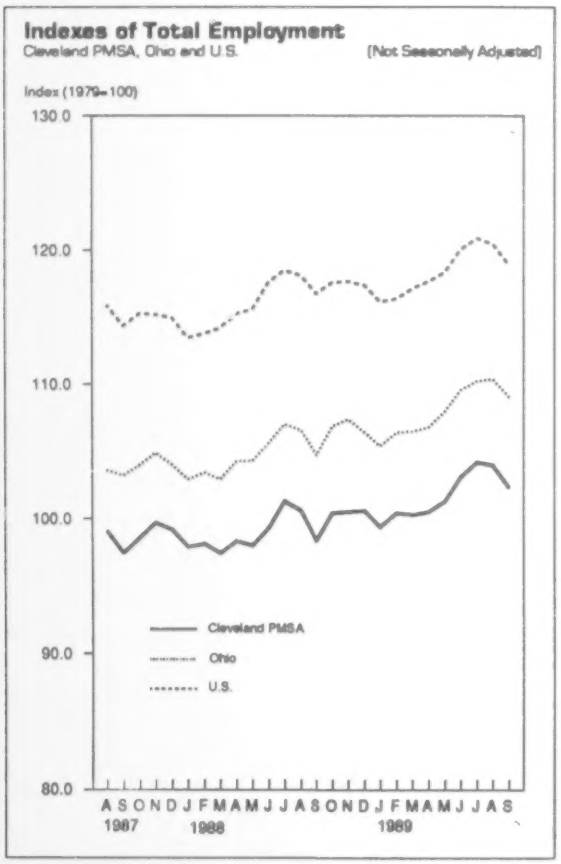
[a] Ohio data only

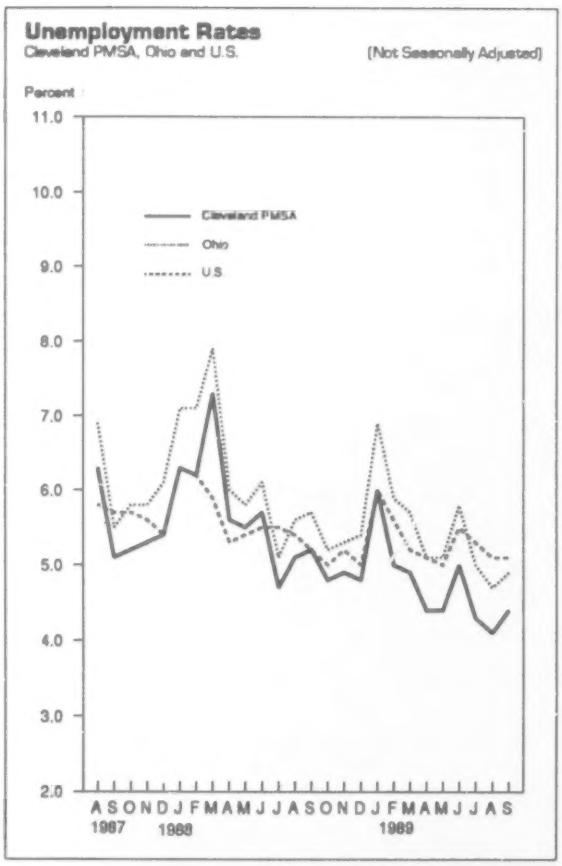
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



Total nonfarm payroll employment in the Cleveland metropolitan area rose 3,100 above the September level to 938,800 in October 1989. The improvement was concentrated in the nonmanufacturing sector due to the return of nonteaching personnel in local schools and marginal growth in wholesale trade and retail trade. Manufacturing employment decreased 100 over the month to 204,400. Less business in fabricated metal products negated a modest increase in rubber and miscellaneous plastics products. Factory production workers averaged $12.02 per hour, down $.05 from September. Their average workweek of 42.8 hours was .4 hours shorter.

Nonagricultural wage and salary employment advanced 21,700 between October 1988 and October 1989. The leading growth industries were services, especially business and health services, and retail trade. Marked expansion also occurred in local government, finance, insurance, and real estate, wholesale trade, and construction. The manufacturing workforce added 700 jobs during the period. Modest growth in nonelectrical machinery, chemicals and allied products, and printing and publishing outweighed declines in transportation equipment and electric and electronic equipment.





Cleveland PMSA Labor Force and Employment Data

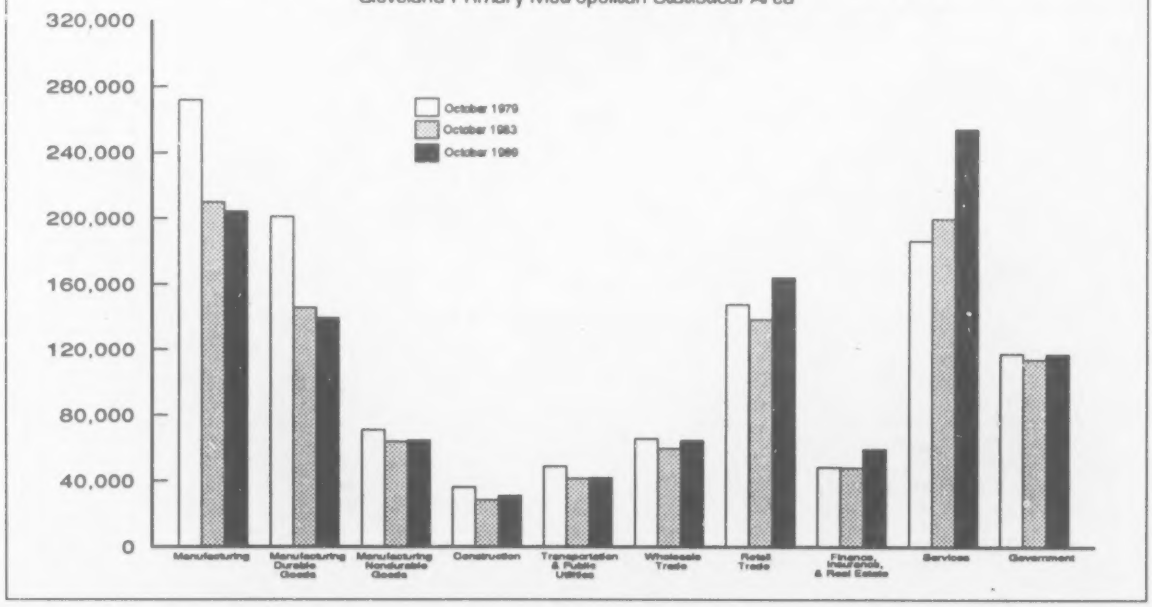
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	$321.75	42.9	$ 7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57
933.7	882.3	51.4	5.5	1988	904.6	201.7	130.1	512.67	43.3	11.84
				1988						
921.6	873.7	47.9	5.2	September	911.4	202.8	130.9	514.51	43.2	11.91
937.2	892.3	45.0	4.8	October	917.1	203.7	131.8	517.76	43.4	11.93
939.4	893.8	45.6	4.9	November	926.2	204.5	133.0	528.12	43.9	12.03
939.6	894.4	45.2	4.8	December	924.5	205.4	133.7	538.25	44.3	12.15
				1989						
940.3	883.9	56.4	6.0	January	902.1	204.4	132.7	527.90	43.7	12.08
939.7	892.4	47.3	5.0	February	902.8	204.7	132.5	520.80	43.4	12.00
938.3	892.2	46.1	4.9	March	909.3	204.9	132.7	522.44	43.5	12.01
934.6	893.2	41.4	4.4	April	917.2	204.9	132.6	519.17	43.3	11.99
942.2	900.4	41.8	4.4	May	926.9	204.8	131.9	514.71	43.0	11.97
964.9	916.3	48.6	5.0	June	934.5	205.0	131.7	517.44	43.3	11.95
967.2	926.0	41.2	4.3	July	933.6	202.7	129.6	491.99	41.8	11.77
964.5	924.6	39.9	4.1	August	931.6	203.5	130.1	500.91	42.2	11.87
951.4	909.7	41.7	4.4	September	935.7	204.4	131.3	521.42	43.2	12.07
INA	INA	INA	INA	October	938.8	204.4	131.2	514.46	42.8	12.02

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries

Cleveland Primary Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	October 1989[b]	September 1989[c]	October 1988[c]	From Last Month	From Last Year
Total	938.8	935.7	917.1	3.1	21.7
Manufacturing	204.4	204.4	203.7	-.1	.7
Durable Goods[e]	139.5	140.0	139.6	-.5	-.1
Primary metal industries	21.8	21.7	21.5	.0	.2
Iron and steel foundries	4.4	4.4	4.6	.0	-.2
Fabricated metal products	31.9	32.2	32.1	-.4	-.2
Fabricated structural metal products	3.8	3.9	3.9	-.1	.0
Screw machine products, bolts, etc.	4.8	4.8	4.8	.0	.0
Metal forgings and stampings	10.5	10.8	10.8	-.2	-.3
Machinery, except electrical	30.7	30.8	30.2	-.1	.6
Construction and related machinery	2.6	2.7	2.6	.0	.1
Metalworking machinery	10.5	10.6	10.0	-.1	.5
Special industry machinery	2.7	2.7	2.7	.0	.0
General industrial machinery	3.3	3.3	3.2	.0	.1
Electric and electronic equipment	17.8	17.8	18.0	.0	-.3
Electrical industrial apparatus	6.7	6.6	6.5	.0	.2
Transportation equipment	19.2	19.2	20.0	.0	-.8
Motor vehicles and equipment	12.3	12.2	12.7	.1	-.3
Instruments and related products	6.4	6.4	6.4	.0	.0
Measuring and controlling devices	4.5	4.5	4.3	.0	.2
Nondurable Goods[f]	64.8	64.4	64.1	.4	.7
Food and kindred products	6.7	6.8	6.7	-.1	.0
Apparel and other textile products	3.4	3.4	3.6	.0	-.2
Paper and allied products	5.9	5.8	6.0	.0	-.1
Printing and publishing	16.2	16.1	15.9	.1	.3
Chemicals and allied products	15.3	15.4	14.9	.0	.4
Rubber and misc. plastics products	11.7	11.3	11.6	.4	.0
Nonmanufacturing[g]	734.4	731.2	713.4	3.2	21.0
Construction	31.0	31.2	30.0	-.2	1.0
Transportation and Public Utilities	42.0	41.8	42.1	.2	.0
Trucking and warehousing	12.8	12.6	12.4	.1	.4
Communication, electric, gas services	17.2	17.2	17.6	.0	-.4
Wholesale Trade	64.9	64.6	63.6	.3	1.3
Wholesale trade-durable goods	44.9	44.8	44.1	.1	.8
Retail Trade	164.0	163.7	159.8	.3	4.2
General merchandise stores	21.1	20.7	20.9	.4	.3
Finance, Insurance, and Real Estate	59.4	59.5	57.7	-.1	1.7
Banking	14.6	14.6	14.3	.0	.3
Credit agencies other than banks	8.9	8.9	8.7	.0	.2
Insurance carriers	14.6	14.7	14.4	-.1	.3
Services	254.4	254.5	243.7	-.1	10.7
Business services	59.8	60.0	56.0	-.2	3.8
Amusement and recreation services	7.8	9.3	7.5	-1.5	.2
Health services	80.0	79.9	77.6	.1	2.4
Hospitals	44.4	44.5	43.6	-.1	.9
Government	117.6	114.9	115.5	2.7	2.1
Federal government	20.6	20.6	20.8	.0	-.2
State government	7.9	7.5	8.3	.5	-.3
State government education[f]	3.0	2.4	3.3	.6	-.3
State government, except education	4.9	5.1	5.0	-.1	-.1
Local government	89.1	86.9	86.4	2.2	2.7
Local government education	45.1	42.7	43.4	2.4	1.7
Local government, except education	44.0	44.2	43.0	-.2	1.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]
Manufacturing	$514.46	$521.42	$517.76	42.8	43.2	43.4	$12.02	$12.07	$11.93
Durable Goods[e]	544.19	550.13	557.95	43.5	43.8	44.6	12.51	12.56	12.51
Primary metal industries	545.16	544.56	604.63	44.0	43.6	47.2	12.39	12.49	12.81
Iron and steel foundries	854.06	895.78	917.16	47.9	49.3	50.7	17.83	18.17	18.09
Fabricated metal products	539.09	531.91	551.98	43.3	43.0	44.3	12.45	12.37	12.46
Fabricated structural metal products	454.08	442.09	417.21	44.0	43.3	42.1	10.32	10.21	9.91
Screw machine products, bolts, etc.	525.74	521.08	550.34	43.2	43.1	45.9	12.17	12.09	11.99
Metal forgings and stampings	672.92	650.57	698.07	44.3	43.4	46.6	15.19	14.99	14.98
Machinery, except electrical	530.18	540.57	533.82	43.6	44.2	44.3	12.16	12.23	12.05
Construction and related machinery	448.77	432.99	393.27	45.7	44.5	42.7	9.82	9.73	9.21
Metalworking machinery	485.52	488.68	485.64	42.0	42.2	42.6	11.56	11.58	11.40
Special industry machinery	477.92	490.98	476.52	41.2	42.0	41.8	11.60	11.69	11.40
General industrial machinery	503.80	501.68	527.98	44.0	43.7	46.6	11.45	11.48	11.33
Electric and electronic equipment	469.79	467.73	452.86	42.4	42.1	41.7	11.08	11.11	10.86
Electrical industrial apparatus	554.18	560.14	522.82	44.8	45.1	44.8	12.37	12.42	11.67
Transportation equipment	722.24	751.64	745.99	44.5	46.0	46.8	16.23	16.34	15.94
Motor vehicles and equipment	800.10	850.36	824.76	45.0	47.4	47.4	17.78	17.94	17.40
Instruments and related products	411.26	408.82	399.59	40.8	40.8	40.9	10.08	10.02	9.77
Measuring and controlling devices	458.15	452.61	439.52	42.5	42.3	41.7	10.78	10.70	10.54
Nondurable Goods[f]	441.00	450.36	424.09	41.1	41.7	40.7	10.73	10.80	10.42
Food and kindred products	438.48	464.52	425.21	40.6	42.0	42.1	10.80	11.06	10.10
Apparel and other textile products	352.80	348.04	324.04	38.6	38.8	38.9	9.14	8.97	8.33
Paper and allied products	466.82	470.38	469.99	42.4	42.3	41.3	11.01	11.12	11.38
Printing and publishing	422.53	435.18	405.90	38.1	39.1	36.8	11.09	11.13	11.03
Chemicals and allied products	546.80	548.10	507.61	43.5	43.5	42.8	12.57	12.60	11.86
Rubber and misc. plastics products	383.45	394.98	388.14	42.7	43.5	42.7	8.98	9.08	9.09
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	618.97	626.08	600.06	41.1	41.6	41.1	15.06	15.05	14.60
Wholesale Trade	444.38	445.61	425.32	39.5	39.4	39.2	11.25	11.31	10.85
Retail Trade[h]	190.03	190.15	186.20	27.5	27.8	28.0	6.91	6.84	6.65
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Banking	298.85	299.14	300.29	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	354.35	355.88	344.12	30.6	30.6	31.6	11.58	11.63	10.89

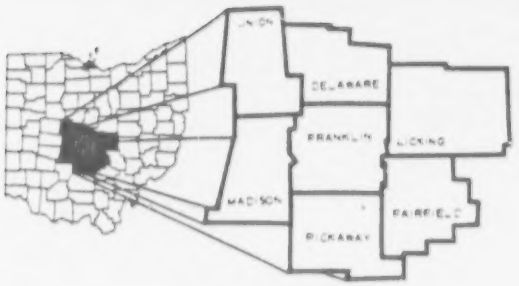
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Cleveland PMSA

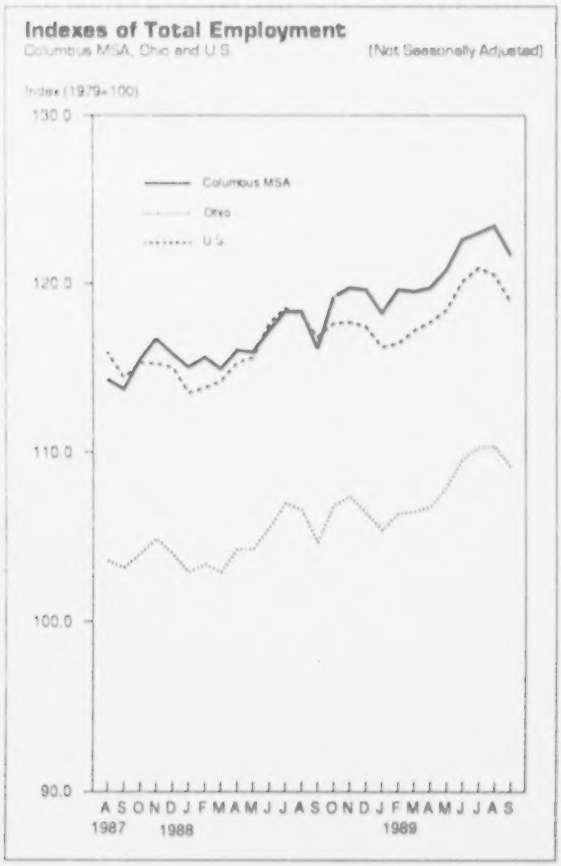
	October 1989	Sept. 1989	October 1988
Employment Service Program			
New Applicants	4,948	3,959	4,447
Active File of Job Seekers	23,971	25,177	53,102
Referrals to Jobs	2,351	2,210	2,021
Placements	342	389	403
Job Openings Received	1,239	1,361	1,231
Job Openings Unfilled	3,384	3,328	4,160
Unemployment Insurance Program			
Initial Claims	6,113	4,522	5,544
Continued Claims	42,052	39,013	38,295
First Payments	2,579	2,145	2,616
Last Payments	637	764	826
Weeks Compensated	35,016	32,550	31,265
Benefits Paid	$5,827,039	$5,089,688	$4,740,768
Average Weekly Payment	$173.90	$161.20	$154.58

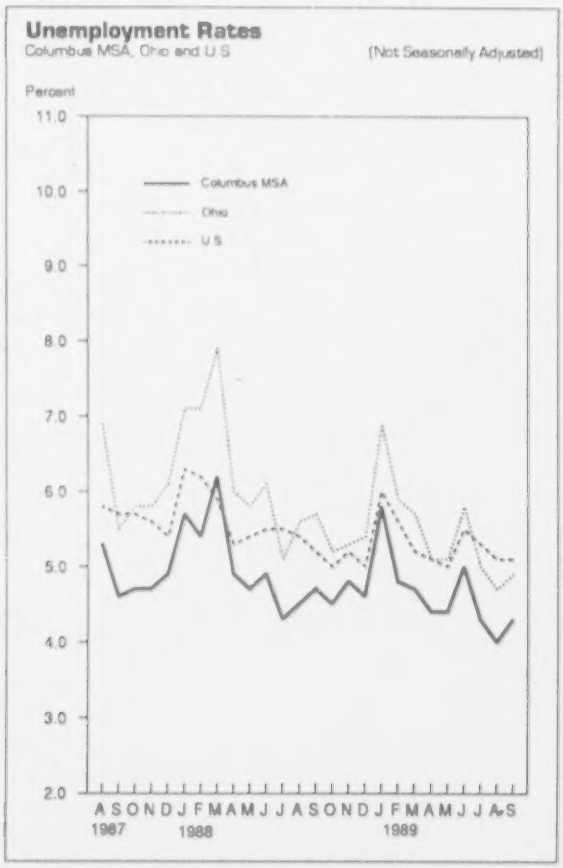
COLUMBUS METROPOLITAN STATISTICAL AREA



Nonagricultural payroll employment in the Columbus metropolitan area increased 7,300 above the September level to 714,300 in October 1989. The return of nonteaching personnel in state and local schools and colleges and more business in retail trade raised nonmanufacturing employment 8,400. Reductions in durable-goods industries, especially nonelectrical machinery, lowered manufacturing employment 1,100 to 103,200. Factory production workers averaged $12.10 per hour for an average workweek of 41.6 hours, both unchanged from September.

Total nonfarm wage and salary employment advanced 22,600 between October 1988 and October 1989. A majority of the growth occurred in services, especially business and health services, retail trade, and construction. Noteworthy expansion also was recorded in finance, insurance, and real estate, wholesale trade, and transportation and public utilities. The manufacturing workforce lost 700 jobs over the year. Declines in nonelectrical machinery and food and kindred products negated marginal gains in transportation equipment, instruments and related products, and printing and publishing.





Columbus MSA Labor Force and Employment Data

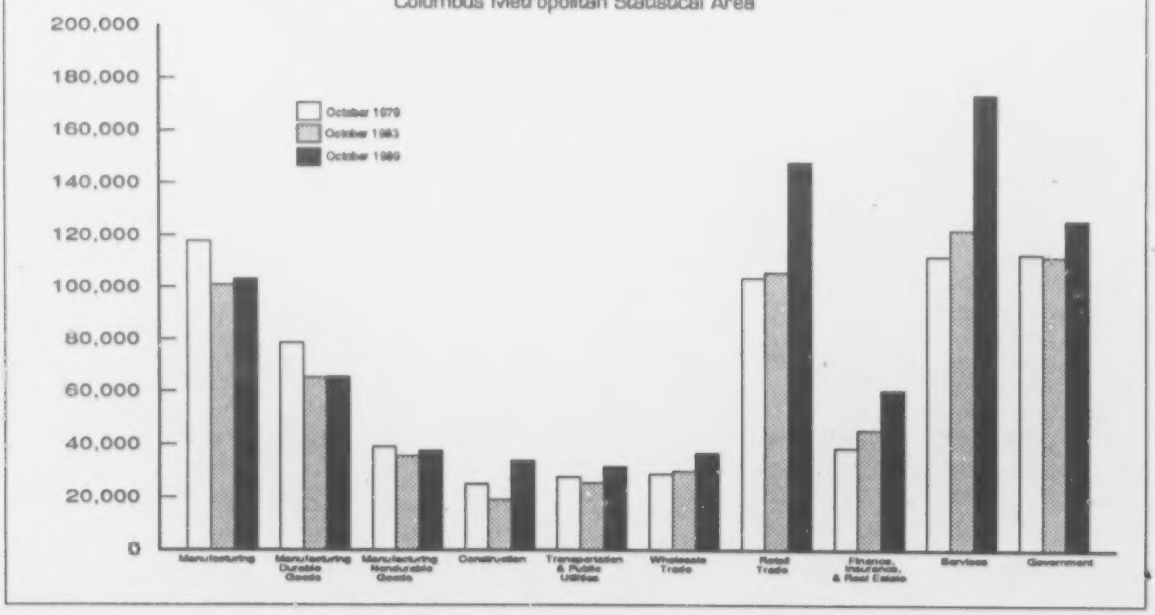
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	538.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.5	676.5	35.0	4.9	1988	678.1	102.6	67.9	480.16	41.5	11.57
				1988						
703.2	670.4	32.8	4.7	September	683.6	103.9	68.9	481.48	41.4	11.63
720.8	688.5	32.3	4.5	October	691.7	103.9	69.0	486.22	41.7	11.66
725.5	691.0	34.5	4.8	November	700.0	104.1	69.1	489.39	41.9	11.68
723.8	690.6	33.2	4.6	December	698.6	104.0	68.8	492.74	41.9	11.76
				1989						
724.3	682.6	41.7	5.8	January	681.7	103.2	68.1	486.38	41.5	11.72
725.3	690.5	34.8	4.8	February	683.4	103.2	67.8	491.78	41.5	11.85
724.7	690.3	34.4	4.7	March	688.2	103.0	67.8	493.44	41.5	11.89
722.6	691.0	31.6	4.4	April	695.8	102.9	67.7	494.68	41.5	11.92
729.9	697.7	32.2	4.4	May	701.8	102.9	67.6	492.75	41.2	11.96
745.7	708.2	37.6	5.0	June	705.7	103.1	67.6	491.56	41.1	11.96
742.4	710.4	32.0	4.3	July	699.2	103.2	67.5	496.43	41.3	12.02
742.2	712.8	29.4	4.0	August	701.2	103.4	67.7	495.19	41.3	11.99
734.3	702.8	31.5	4.3	September	707.0	104.3	68.4	503.36	41.6	12.10
INA	INA	INA	INA	October	714.3	103.2	67.6	503.36	41.6	12.10

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries

Columbus Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	October 1989[b]	September 1989[c]	October 1988[c]	From Last Month	From Last Year
Total	714.3	707.0	691.7	7.3	22.6
Manufacturing	103.2	104.3	103.9	-1.1	-.7
Durable Goods[e]	65.5	66.5	66.0	-.9	-.4
Stone, clay, and glass products	10.2	10.4	10.2	-.1	.1
Glass and glassware, pressed or blown	3.3	3.3	3.3	.0	.0
Fabricated metal products	9.5	9.5	9.3	.0	.1
Fabricated structural metal products	2.5	2.6	2.6	.0	.0
Machinery, except electrical	9.0	9.6	9.8	-.6	-.8
Electric and electronic equipment	10.6	10.7	10.6	-.1	.0
Transportation equipment	13.4	13.4	13.0	.0	.4
Instruments and related products	4.5	4.4	4.1	.1	.3
Nondurable Goods[f]	37.6	37.8	37.9	-.1	-.2
Food and kindred products	10.3	10.4	10.4	-.1	-.2
Printing and publishing	10.8	10.9	10.6	.0	.2
Chemicals and allied products	6.7	6.7	6.7	.0	.0
Rubber and misc. plastics products	5.6	5.5	5.6	.1	.0
Nonmanufacturing[g]	611.1	602.8	587.8	8.4	23.3
Construction	33.8	34.2	31.1	-.3	2.8
Transportation and Public Utilities	31.5	31.3	30.4	.2	1.1
Trucking and warehousing	13.6	13.4	12.7	.1	.8
Communication, electric, gas services	11.7	11.7	12.0	.0	-.3
Wholesale Trade	36.7	36.5	35.4	.2	1.3
Wholesale trade-durable goods	23.4	23.3	22.7	.1	.7
Retail Trade	147.9	146.7	141.3	1.2	6.6
General merchandise stores	20.8	20.5	20.7	.2	.1
Finance, Insurance, and Real Estate	60.5	60.5	58.7	-.1	1.8
Banking	11.9	12.0	11.6	-.1	.3
Insurance carriers	23.8	23.9	23.4	.0	.4
Services	173.8	173.7	164.8	.1	8.9
Business services	42.5	41.9	39.0	.6	3.4
Health services	43.5	43.4	41.9	.0	1.6
Hospitals	19.8	19.8	19.2	-.1	.6
Government	126.0	119.0	125.2	7.0	.8
Federal government	15.1	15.0	15.1	.1	.0
State government	55.6	50.1	54.9	5.5	.6
State government education[h]	23.4	17.7	23.7	5.7	-.3
State government, except education	32.2	32.4	31.3	-.2	.9
Local government	55.3	53.9	55.2	1.4	.1
Local government education	33.5	32.2	33.5	1.3	.0
Local government, except education	21.8	21.7	21.7	.1	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Columbus MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]
Manufacturing	$503.36	$503.36	$486.22	41.6	41.6	41.7	$12.10	$12.10	$11.66
Durable Goods[e]	507.94	505.47	493.73	41.6	41.5	41.7	12.21	12.18	11.84
Stone, clay, and glass products	517.80	508.46	472.18	42.9	42.8	40.6	12.07	11.88	11.63
Glass and glassware, pressed or blown	475.73	455.52	444.69	42.4	42.1	40.5	11.22	10.82	10.98
Fabricated metal products	508.28	505.00	515.42	40.5	40.4	41.3	12.55	12.50	12.48
Fabricated structural metal products	493.91	452.79	480.22	42.8	40.5	42.8	11.54	11.18	11.22
Machinery, except electrical	488.06	484.08	444.03	42.7	42.5	41.0	11.43	11.39	10.83
Electric and electronic equipment	497.77	505.62	451.67	41.9	42.1	40.4	11.88	12.01	11.18
Transportation equipment	599.08	594.98	623.82	42.1	41.9	44.4	14.23	14.20	14.05
Instruments and related products	411.37	405.72	410.12	39.9	39.2	38.8	10.31	10.35	10.57
Nondurable Goods[f]	494.62	499.45	471.92	41.6	41.9	41.8	11.89	11.92	11.29
Food and kindred products	445.52	453.44	441.38	41.1	41.6	41.6	10.84	10.90	10.61
Printing and publishing	594.43	590.14	556.38	40.3	40.2	39.6	14.75	14.68	14.05
Chemicals and allied products	623.09	632.49	570.88	43.3	43.5	42.1	14.39	14.54	13.56
Rubber and misc. plastics products	401.33	395.17	392.49	43.2	43.0	44.5	9.29	9.19	8.82
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	653.13	664.94	579.96	43.6	44.3	40.9	14.98	15.01	14.18
Wholesale Trade	363.66	361.54	361.75	38.0	37.7	37.8	9.57	9.59	9.57
Retail Trade[h]	191.20	191.13	183.97	28.2	28.4	28.7	6.78	6.73	6.41
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Banking	279.13	282.94	268.06	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	397.25	390.98	349.18	35.0	34.6	34.1	11.35	11.30	10.24

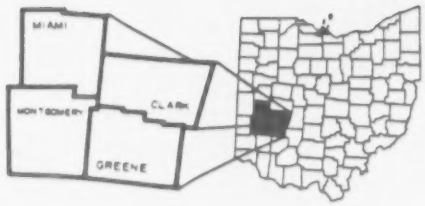
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Columbus MSA

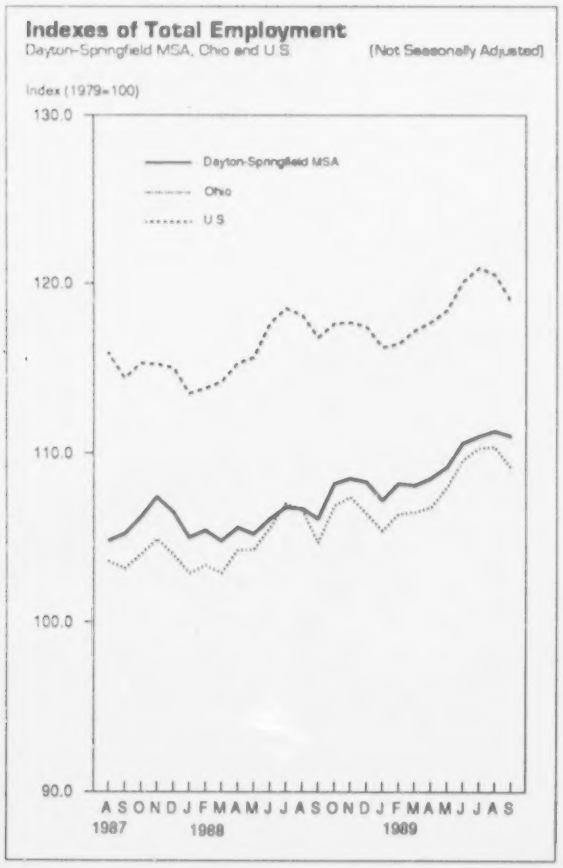
	October 1989	Sept. 1989	October 1988
Employment Service Program			
New Applicants	4,421	4,049	4,478
Active File of Job Seekers	21,335	23,278	27,265
Referrals to Jobs	2,239	3,682	2,549
Placements	642	1,376	813
Job Openings Received	1,518	2,347	1,271
Job Openings Unfilled	3,207	3,204	2,191
Unemployment Insurance Program			
Initial Claims	4,287	3,355	4,160
Continued Claims	29,647	25,637	26,011
First Payments	1,765	1,460	1,912
Last Payments	420	521	449
Weeks Compensated	21,010	21,426	19,613
Benefits Paid	$3,382,105	$3,360,840	$3,052,003
Average Weekly Payment	$168.31	$163.89	$158.97

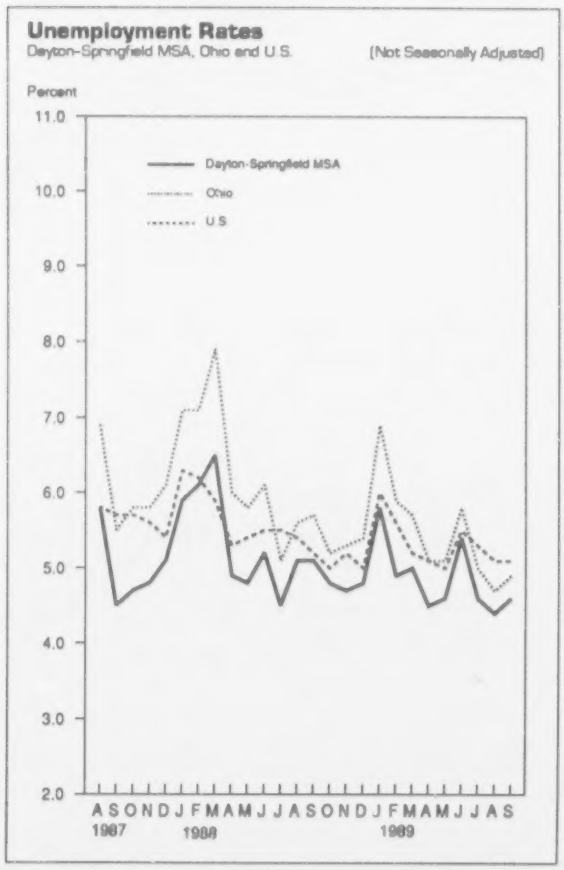
DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA



In the Dayton-Springfield metropolitan area, nonagricultural payroll employment totaled 459,100 in October 1989, up 2,000 from the September level. The return of nonteaching personnel in local schools and seasonal growth in services and retail trade raised nonmanufacturing employment 2,700. A labor-management dispute in fabricated metal products and less business in nonelectrical machinery lowered manufacturing employment 800 to 103,700. Factory production worker average hourly earnings of $13.05 were $.07 higher than September. Their average workweek was unchanged at 42.7 hours.

Total nonfarm wage and salary employment advanced 14,200 between October 1988 and October 1989. Noteworthy growth occurred in services, particularly business and health services, federal and local government, retail trade, construction, and transportation and public utilities. Manufacturing employment declined 1,100 over the year due to reductions in nonelectrical machinery, fabricated metal products, rubber and miscellaneous plastics products, and paper and allied products.





Dayton–Springfield MSA Labor Force and Employment Data

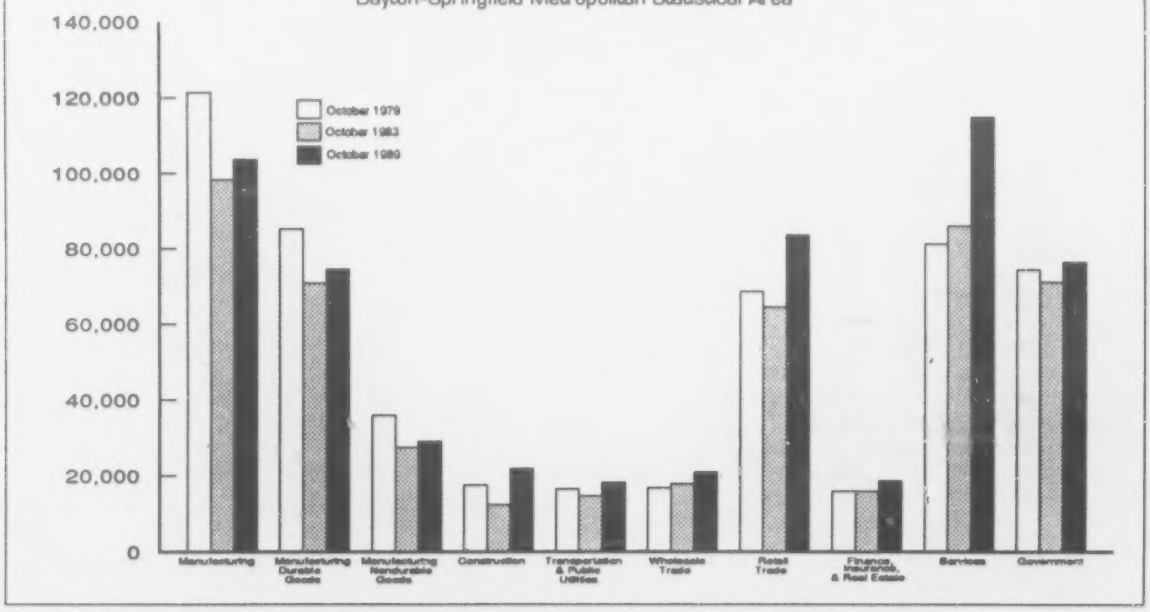
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
469.0	444.6	24.4	5.2	1988	436.7	104.5	67.2	546.41	43.4	12.59
				1988						
467.3	443.3	24.0	5.1	September	442.8	105.4	68.1	552.41	43.6	12.67
474.9	452.1	22.8	4.8	October	445.0	104.8	67.7	573.69	44.3	12.95
475.8	453.5	22.3	4.7	November	450.3	105.3	68.2	580.69	44.6	13.02
475.2	452.5	22.7	4.8	December	448.2	105.5	68.3	574.98	44.4	12.95
				1989						
475.4	447.9	27.5	5.8	January	438.2	104.9	67.7	576.83	44.1	13.08
475.7	452.3	23.4	4.9	February	438.6	104.7	67.5	565.93	43.6	12.98
475.7	451.9	23.8	5.0	March	441.3	104.9	67.6	563.77	43.3	13.02
475.2	453.7	21.5	4.5	April	447.4	104.8	67.6	555.13	43.1	12.88
478.6	456.4	22.2	4.6	May	449.7	104.6	67.3	555.56	43.1	12.89
489.0	462.5	26.5	5.4	June	451.3	105.0	67.5	554.70	43.1	12.87
486.7	464.1	22.6	4.6	July	447.2	103.8	65.9	540.18	42.4	12.74
486.5	465.3	21.2	4.4	August	448.2	104.2	66.2	531.70	41.8	12.72
486.0	463.9	22.2	4.6	September	457.2	104.5	66.7	554.25	42.7	12.98
INA	INA	INA	INA	October	459.1	103.7	66.4	557.24	42.7	13.05

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries

Dayton–Springfield Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Dayton-Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	October 1989[b]	September 1989[c]	October 1988[c]	From Last Month	From Last Year
Total	459.1	457.2	445.0	2.0	14.2
Manufacturing	103.7	104.5	104.8	-.8	-1.1
Durable Goods[e]	74.7	75.5	75.4	-.8	-.7
Fabricated metal products	8.0	8.4	8.3	-.4	-.4
Machinery, except electrical	30.2	30.5	30.8	-.3	-.5
Metalworking machinery	6.6	6.6	6.6	.0	.0
General industrial machinery	2.9	2.9	2.8	.0	.0
Electric and electronic equipment	5.8	5.8	5.7	.0	.1
Electrical industrial apparatus	3.3	3.3	3.2	-.1	.0
Transportation equipment	20.8	20.7	20.8	.1	-.1
Nondurable Goods[f]	29.0	29.1	29.4	.0	-.4
Food and kindred products	3.1	3.1	2.9	.0	.2
Paper and allied products	5.7	5.7	5.9	.0	-.2
Printing and publishing	8.9	8.9	8.9	.0	.0
Rubber and misc. plastics products	7.5	7.4	7.9	.0	-.4
Nonmanufacturing[g]	355.4	352.6	340.1	2.7	15.2
Construction	21.8	21.9	19.9	-.1	1.9
Transportation and Public Utilities	18.1	17.9	17.1	.2	1.0
Communication, electric, gas services	5.2	5.2	5.6	.0	-.4
Wholesale Trade	20.9	20.7	20.1	.2	.8
Wholesale trade-durable goods	14.2	14.1	13.8	.1	.4
Retail Trade	83.7	83.4	81.2	.4	2.6
General merchandise stores	12.2	12.0	11.9	.2	.3
Finance, Insurance, and Real Estate	18.6	18.8	18.2	-.2	.4
Banking	4.2	4.2	4.1	-.1	.0
Credit agencies other than banks	4.8	4.9	4.7	-.1	.1
Insurance carriers	3.1	3.2	3.0	-.1	.2
Services	115.1	114.4	109.5	.8	5.6
Business services	28.8	28.4	26.5	.3	2.3
Health services	38.6	38.5	37.3	.1	1.3
Hospitals	19.7	19.7	19.3	.0	.5
Educational services	8.9	8.3	9.1	.6	-.2
Government	76.6	75.2	73.8	1.4	2.9
Federal government	29.0	29.0	27.2	.0	1.8
State government	6.8	6.4	6.7	.4	.1
State government education[h]	3.9	3.5	3.8	.4	.1
State government, except education	2.9	2.9	2.9	.0	.0
Local government	40.8	39.8	39.9	1.1	1.0
Local government education	25.5	24.4	24.9	1.1	.6
Local government, except education	15.3	15.4	15.0	.0	.4

Hours and Earnings of Production or Nonsupervisory Workers[a]

Dayton-Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]
Manufacturing	$557.24	$554.25	$573.69	42.7	42.7	44.3	$13.05	$12.98	$12.95
Durable Goods[e]	574.91	570.18	589.57	43.0	43.0	44.8	13.37	13.26	13.16
Fabricated metal products	402.97	418.03	374.12	41.5	42.7	39.8	9.71	9.79	9.40
Machinery, except electrical	610.57	596.41	621.95	43.8	43.0	45.9	13.94	13.87	13.55
Metalworking machinery	610.77	609.00	589.00	47.2	47.1	47.5	12.94	12.93	12.40
General industrial machinery	464.39	452.58	478.66	41.5	40.7	43.2	11.19	11.12	11.08
Electric and electronic equipment	411.84	429.43	458.33	41.6	42.9	45.2	9.90	10.01	10.14
Electrical industrial apparatus	499.38	521.23	553.34	42.0	43.4	48.2	11.89	12.01	11.48
Transportation equipment	739.81	725.77	772.20	44.3	43.8	46.8	16.70	16.57	16.50
Nondurable Goods[f]	498.83	508.67	526.81	41.5	41.9	42.9	12.02	12.14	12.28
Food and kindred products	355.72	349.11	358.90	40.7	40.5	41.3	8.74	8.62	8.69
Paper and allied products	497.25	487.69	478.50	44.2	43.7	43.5	11.25	11.16	11.00
Printing and publishing	465.26	486.30	473.52	39.8	40.9	41.5	11.69	11.89	11.41
Rubber and misc. plastics products	642.80	674.44	733.22	40.1	41.2	44.6	16.03	16.37	16.44
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	569.49	580.17	552.67	41.0	41.5	40.4	13.89	13.98	13.68
Wholesale Trade	398.40	399.60	405.56	39.8	40.0	39.8	10.01	9.99	10.19
Retail Trade[h]	176.13	175.12	163.88	28.5	28.2	28.5	6.18	6.21	5.75
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	394.11	394.11	354.22	34.3	34.3	33.8	11.49	11.49	10.48

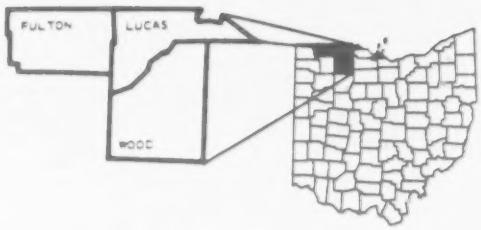
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Dayton-Springfield MSA

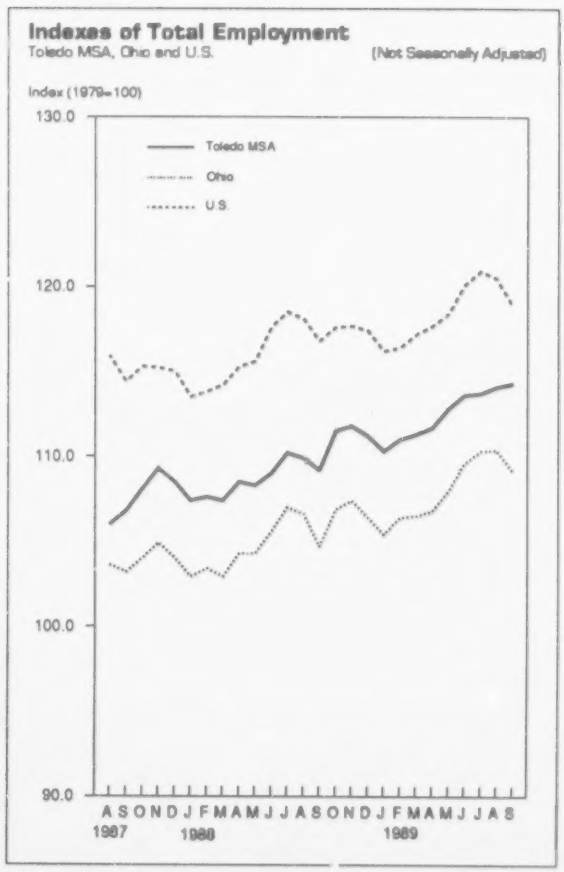
	October 1989	Sept. 1989	October 1988
Employment Service Program			
New Applicants	2,890	1,969	2,390
Active File of Job Seekers	10,965	11,761	11,147
Referrals to Jobs	1,778	1,647	1,922
Placements	572	426	479
Job Openings Received	1,037	699	1,205
Job Openings Unfilled	2,711	3,225	2,075
Unemployment Insurance Program			
Initial Claims	5,349	5,647	2,912
Continued Claims	25,369	19,875	16,913
First Payments	1,970	2,428	1,255
Last Payments	317	343	314
Weeks Compensated	19,534	16,509	13,639
Benefits Paid	$3,258,004	$2,552,325	$1,975,205
Average Weekly Payment	$176.11	$161.72	$147.49

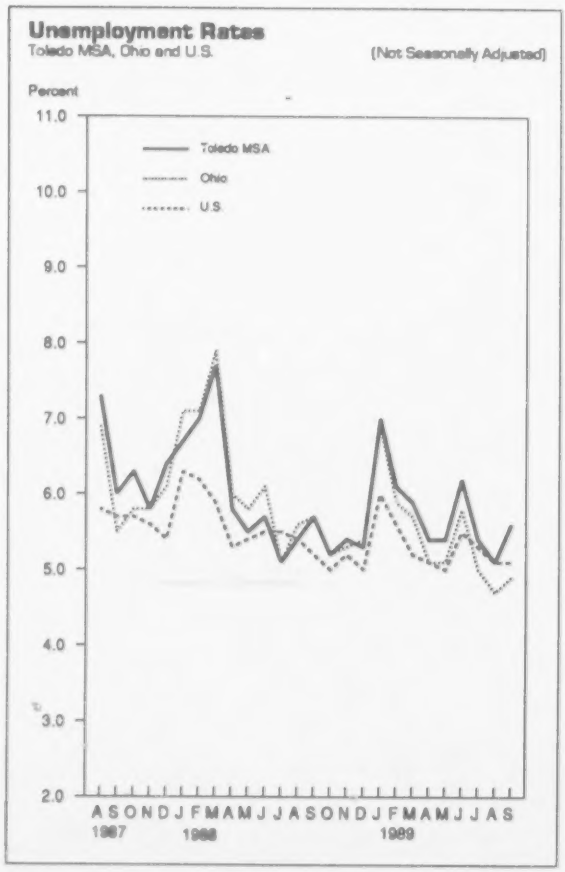
TOLEDO
METROPOLITAN STATISTICAL AREA



Nonagricultural payroll employment in the Toledo metropolitan area rose 1,600 above the September level to 299,600 in October 1989. The continued return of nonteaching personnel in state schools and colleges and more business in retail trade increased nonmanufacturing employment 2,600. A seasonal decline in food and kindred products and scattered losses among producers of durable goods lowered manufacturing employment 1,000 over the month to 60,300. Factory production workers averaged $13.25 per hour, up $.11 from September. Their average workweek of 43.1 hours was .1 hours longer.

Total nonfarm wage and salary employment advanced 8,300 between October 1988 and October 1989. The leading growth industries were services (+4,400), retail trade (+3,500), and construction (+1,900). The manufacturing workforce lost 2,500 jobs during the period. Noteworthy declines occurred in transportation equipment, fabricated metal products, primary metal industries, and nonelectrical machinery.





Toledo MSA Labor Force and Employment Data

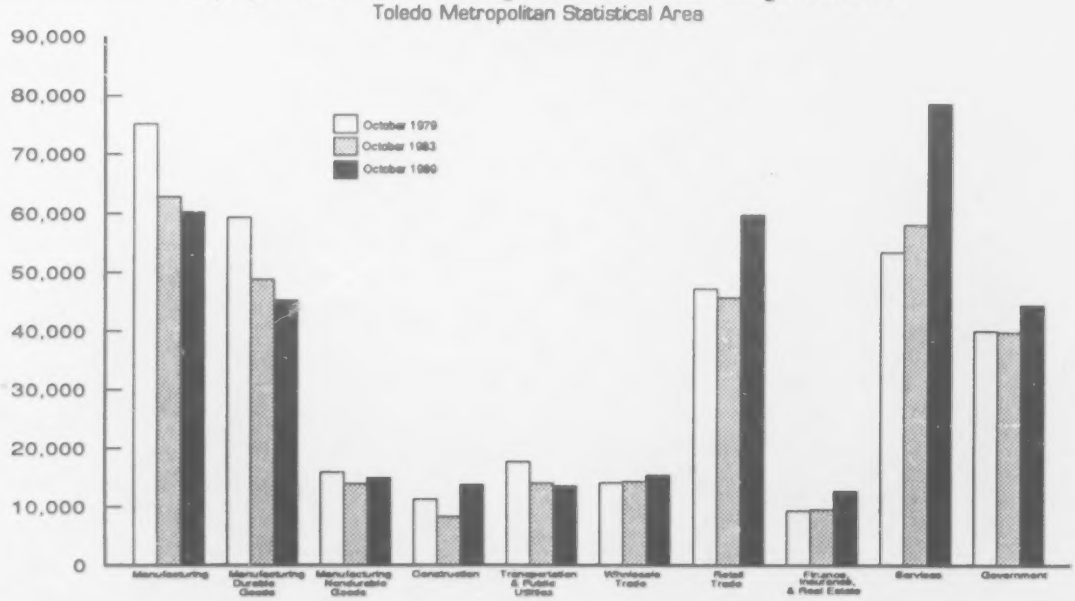
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
310.3	292.1	18.2	5.9	1988	284.9	62.5	44.8	569.41	43.4	13.12
				1988						
309.4	291.7	17.7	5.7	September	289.5	63.6	45.8	586.49	44.6	13.15
314.1	297.9	16.2	5.2	October	291.3	62.8	45.0	585.64	44.4	13.19
315.6	298.6	17.0	5.4	November	294.5	62.6	44.9	605.69	45.1	13.43
313.6	297.0	16.6	5.3	December	292.4	62.4	44.6	589.19	44.3	13.30
				1989						
317.1	294.8	22.3	7.0	January	286.6	62.0	44.4	576.39	43.6	13.22
315.9	296.5	19.4	6.1	February	285.7	61.7	44.2	598.53	44.7	13.39
316.0	297.3	18.7	5.9	March	288.5	61.4	43.9	598.09	44.6	13.41
315.3	298.4	16.9	5.4	April	292.4	61.3	43.8	561.56	42.9	13.09
318.7	301.5	17.2	5.4	May	295.2	61.4	43.9	584.75	43.9	13.32
323.3	303.5	19.9	6.2	June	294.1	62.0	44.3	572.83	43.2	13.26
321.1	303.7	17.4	5.4	July	290.7	61.1	43.4	566.24	42.8	13.23
321.3	304.8	16.5	5.1	August	291.5	61.6	44.0	576.76	43.3	13.32
323.4	305.4	18.0	5.6	September	298.0	61.3	43.9	565.02	43.0	13.14
INA	INA	INA	INA	October	299.6	60.3	43.0	571.08	43.1	13.25

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries

Toledo Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	October 1989[b]	September 1989[c]	October 1988[c]	From Last Month	From Last Year
Total	299.6	298.0	291.3	1.6	8.3
Manufacturing	60.3	61.3	62.8	-1.0	-2.5
Durable Goods[e]	45.4	45.8	47.4	-.4	-2.1
Stone, clay, and glass products	7.5	7.6	7.6	-.1	-.1
Primary metal industries	3.3	3.3	3.7	.0	-.4
Fabricated metal products	7.0	7.1	7.5	-.1	-.5
Metal forgings and stampings	2.7	2.8	3.2	-.1	-.5
Machinery, except electrical	5.5	5.6	5.9	-.1	-.4
Electric and electronic equipment	2.0	2.1	2.2	-.1	-.2
Transportation equipment	15.0	15.0	15.6	.0	-.6
Motor vehicles and equipment	14.1	14.1	14.7	.0	-.6
Nondurable Goods[f]	14.9	15.5	15.4	-.6	-.5
Food and kindred products	3.9	4.4	4.0	-.5	-.1
Rubber and misc. plastics products	3.5	3.5	3.6	.0	-.1
Nonmanufacturing[g]	239.3	236.7	228.4	2.6	10.9
Construction	13.8	13.6	11.9	.1	1.9
Transportation and Public Utilities	13.5	13.5	13.4	.0	.2
Trucking and warehousing	5.8	5.8	5.5	.1	.3
Communication, electric, gas services	4.7	4.8	4.8	.0	.0
Wholesale Trade	15.5	15.4	15.0	.1	.5
Wholesale trade-durable goods	10.4	10.4	10.1	.0	.3
Retail Trade	59.9	59.5	56.4	.4	3.5
General merchandise stores	8.9	8.7	8.7	.3	.3
Finance, Insurance, and Real Estate	12.7	12.6	12.5	.1	.2
Banking	3.7	3.7	3.8	.0	-.1
Services	78.9	79.0	74.5	-.1	4.4
Business services	17.5	17.5	15.9	.0	1.6
Health services	27.6	27.7	27.2	-.1	.4
Hospitals	15.1	15.2	15.0	.0	.1
Government	44.7	42.7	44.5	2.0	.2
State government	17.2	15.7	16.9	1.5	.3
State government education[h]	13.1	11.4	12.7	1.6	.3
State government, except education	4.2	4.2	4.1	-.1	.0
Local government	24.9	24.4	25.0	.5	-.2
Local government education	14.3	13.9	14.6	.3	-.3
Local government, except education	10.6	10.5	10.5	.2	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]
Manufacturing	$571.08	$565.02	$585.64	43.1	43.0	44.4	$13.25	$13.14	$13.19
Durable Goods[e]	592.41	584.93	607.01	43.4	43.2	44.6	13.65	13.54	13.61
Stone, clay, and glass products	599.28	542.15	524.75	44.0	41.8	40.9	13.62	12.97	12.83
Primary metal industries	487.62	509.08	498.35	43.0	44.5	43.6	11.34	11.44	11.43
Fabricated metal products	468.57	483.75	534.45	42.1	43.0	44.5	11.13	11.25	12.01
Metal forgings and stampings	623.17	598.32	631.67	41.6	40.4	43.0	14.98	14.81	14.69
Machinery, except electrical	525.92	516.86	517.63	43.5	43.0	43.1	12.09	12.02	12.01
Electric and electronic equipment	520.45	518.38	572.74	42.8	42.7	45.6	12.16	12.14	12.56
Transportation equipment	758.28	749.26	795.05	44.5	44.1	47.1	17.04	16.99	16.88
Motor vehicles and equipment	765.85	756.76	803.34	44.5	44.1	47.2	17.21	17.16	17.02
Nondurable Goods[f]	503.37	501.17	504.01	42.3	42.4	43.3	11.90	11.82	11.64
Food and kindred products	585.73	538.07	589.63	43.1	41.2	44.5	13.59	13.06	13.25
Rubber and misc. plastics products	368.30	381.02	343.88	41.9	43.2	40.6	8.79	8.82	8.47
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	604.40	618.03	602.78	41.2	41.9	41.4	14.67	14.75	14.56
Wholesale Trade	419.80	411.69	398.60	40.6	39.7	39.9	10.34	10.37	9.99
Retail Trade[h]	159.30	161.07	159.61	27.0	27.3	28.1	5.90	5.90	5.68

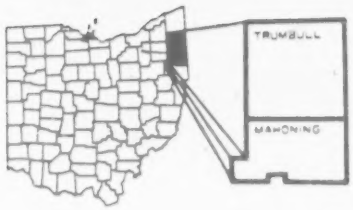
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Toledo MSA

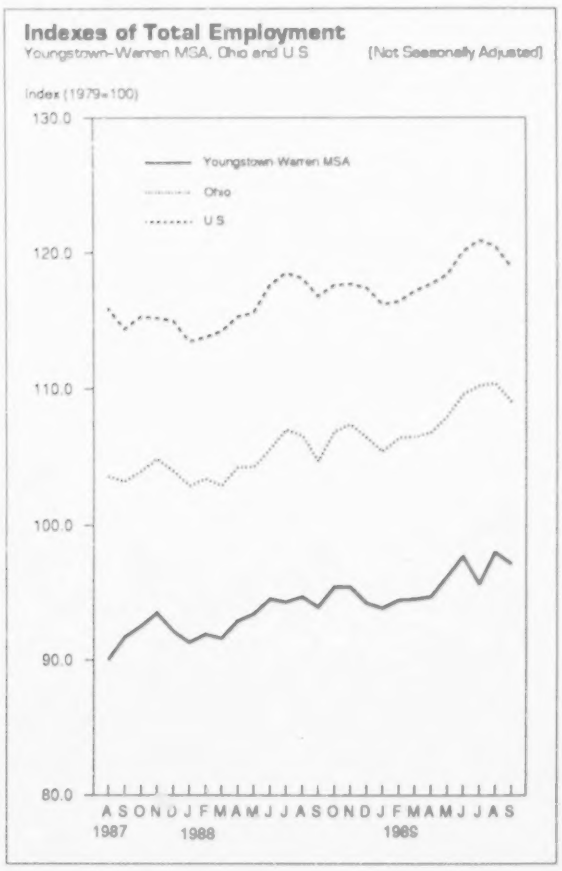
	October 1989	Sept. 1989	October 1988
Employment Service Program			
New Applicants	2,037	1,794	2,449
Active File of Job Seekers	11,215	11,845	17,082
Referrals to Jobs	1,089	1,289	1,833
Placements	356	302	658
Job Openings Received	525	510	1,055
Job Openings Unfilled	1,195	1,279	1,764
Unemployment Insurance Program			
Initial Claims	4,269	2,721	2,847
Continued Claims	19,017	17,381	14,134
First Payments	996	1,155	1,039
Last Payments	205	245	202
Weeks Compensated	14,730	15,695	11,310
Benefits Paid	$2,440,437	$2,585,348	$1,711,651
Average Weekly Payment	$178.15	$175.72	$155.35

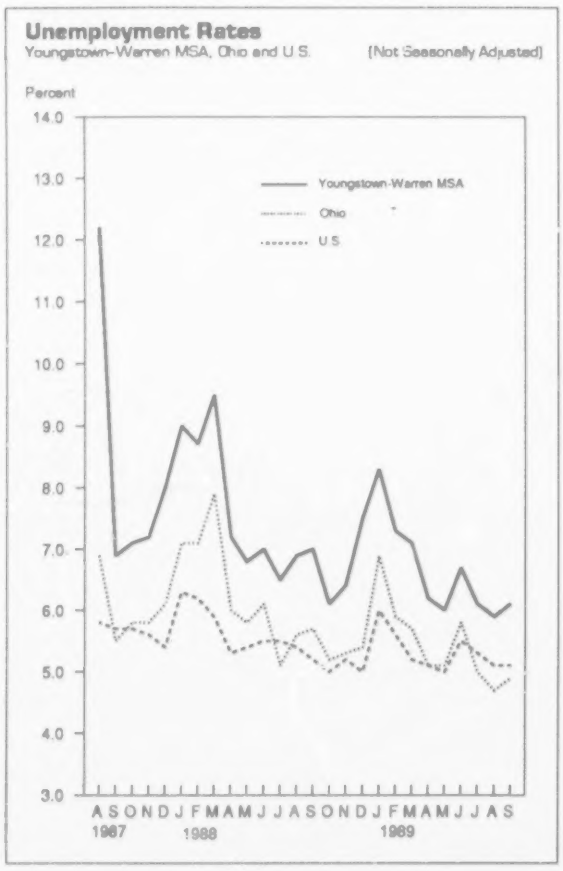
YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA



Total nonfarm payroll employment in the Youngstown-Warren metropolitan area rose 900 above the September level to 203,300 in October 1989. The improvement was concentrated in the nonmanufacturing sector. The return of nonteaching personnel in state and local schools and colleges more than offset a seasonal decline in services. Less business in primary metal industries lowered manufacturing employment 100 over the month to 49,600. Factory production workers averaged $14.21 per hour, up $.04 from September. Their average workweek of 43.7 hours was .5 hours longer.

Nonagricultural wage and salary employment advanced 5,300 between October 1988 and October 1989. Leading areas of expansion were services (+3,200), retail trade (+1,800), and construction (+1,000). Manufacturing employment dropped 2,100 during the period due to a significant reduction in primary metal industries and modest declines in transportation equipment and electric and electronic equipment.



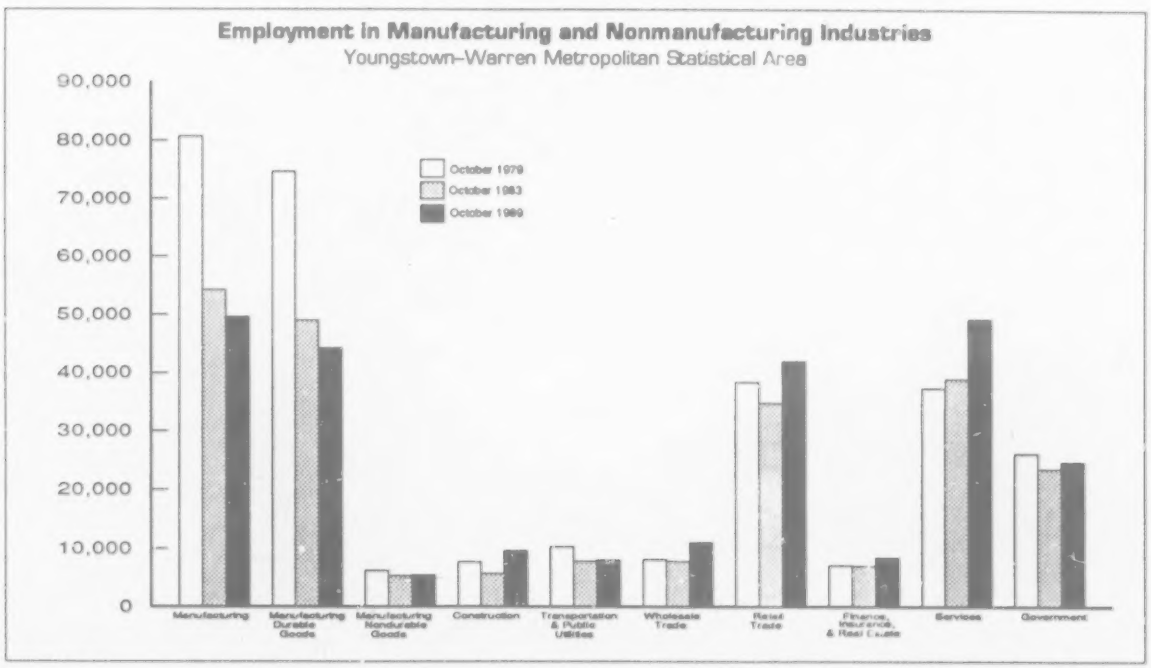


Youngstown-Warren MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	$353.56	41.4	$ 8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
222.3	205.9	16.4	7.4	1988	193.9	50.5	38.5	575.95	42.6	13.52
				1988						
222.0	206.4	15.6	7.0	September	197.6	51.8	39.9	589.81	43.4	13.59
223.3	209.8	13.5	6.1	October	198.0	51.7	39.7	586.09	43.0	13.63
224.0	209.7	14.2	6.4	November	199.8	51.9	39.8	593.71	43.4	13.68
224.0	207.1	16.9	7.5	December	196.7	49.8	37.8	594.21	43.5	13.66
				1989						
224.9	206.2	18.7	8.3	January	193.4	51.1	39.0	599.87	43.5	13.79
223.9	207.5	16.3	7.3	February	193.0	50.6	38.6	586.87	42.9	13.68
223.7	207.8	15.9	7.1	March	194.7	50.3	38.3	593.64	43.3	13.71
222.1	208.3	13.8	6.2	April	197.0	50.1	38.2	586.18	42.6	13.76
225.1	211.5	13.6	6.0	May	200.0	50.1	38.1	600.56	43.4	13.84
230.2	214.9	15.3	6.7	June	201.2	50.2	38.2	588.39	42.3	13.91
223.8	210.2	13.6	6.1	July	194.2	44.7	32.7	580.36	42.3	13.72
228.8	215.4	13.4	5.9	August	198.9	48.9	36.8	589.96	42.2	13.98
227.5	213.6	13.9	6.1	September	202.4	49.7	37.7	612.14	43.2	14.17
INA	INA	INA	INA	October	203.3	49.6	37.5	620.98	43.7	14.21

INA – information not available



Nonagricultural Wage and Salary Employment[a]

Youngstown-Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	October 1989[b]	September 1989[c]	October 1988[c]	From Last Month	From Last Year
Total	203.3	202.4	198.0	.9	5.3
Manufacturing	49.6	49.7	51.7	-.1	-2.1
Durable Goods[e]	44.2	44.4	46.2	-.1	-2.0
Primary metal industries	18.0	18.2	19.3	-.3	-1.4
Blast furnace and basic steel products	5.2	5.3	5.8	-.1	-.6
Fabricated metal products	7.4	7.4	7.5	.0	-.1
Machinery, except electrical	3.8	3.8	3.7	.0	.1
Electric and electronic equipment	2.2	2.2	2.4	.0	-.2
Transportation equipment	9.4	9.4	9.9	.0	-.4
Nondurable Goods[f]	5.4	5.3	5.5	.1	-.1
Nonmanufacturing[g]	153.7	152.7	146.3	1.0	7.4
Construction	9.6	9.7	8.6	-.1	1.0
Transportation and Public Utilities	8.0	7.9	7.8	.0	.2
Communication, electric, gas services	2.7	2.7	2.9	.0	-.1
Wholesale Trade	11.0	10.8	10.6	.2	.4
Wholesale trade-durable goods	6.9	6.8	6.8	.1	.1
Retail Trade	42.1	42.0	40.3	.1	1.8
General merchandise stores	5.3	5.2	5.3	.1	.0
Finance, Insurance, and Real Estate	8.3	8.3	8.3	.0	.0
Banking	2.8	2.8	2.7	.0	.1
Services	49.3	50.1	46.1	-.8	3.2
Health services	21.4	21.3	20.6	.1	.7
Hospitals	10.9	11.0	10.7	.0	.3
Government	24.8	23.2	23.9	1.5	.8
State government	4.2	3.4	4.1	.8	.1
State government education[f]	2.7	1.9	2.6	.9	.1
State government, except education	1.5	1.5	1.5	.0	.0
Local government	18.5	17.8	17.8	.7	.7
Local government education	12.0	11.2	11.5	.8	.5
Local government, except education	6.5	6.6	6.3	-.1	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

Youngstown-Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]
Manufacturing	$620.98	$612.14	$586.09	43.7	43.2	43.0	$14.21	$14.17	$13.63
Durable Goods[e]	637.43	628.43	601.34	43.9	43.4	43.2	14.52	14.48	13.92
Primary metal industries	678.97	694.06	662.06	43.0	43.9	43.7	15.79	15.81	15.15
Blast furnace and basic steel products	643.11	633.87	619.70	46.3	45.8	45.6	13.89	13.84	13.59
Fabricated metal products	620.60	613.33	588.67	45.2	44.9	43.8	13.73	13.66	13.44
Machinery, except electrical	522.29	510.85	498.67	43.2	42.5	43.4	12.09	12.02	11.49
Electric and electronic equipment	462.40	487.97	457.15	40.0	41.6	41.0	11.56	11.73	11.15
Transportation equipment	723.21	665.03	622.21	46.3	43.1	43.0	15.62	15.43	14.47
Nondurable Goods[f]	445.71	446.04	418.40	41.5	41.3	40.7	10.74	10.80	10.28
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	600.92	613.62	579.96	41.3	42.0	40.9	14.55	14.61	14.18
Wholesale Trade	385.11	387.69	376.75	38.9	39.2	39.7	9.90	9.89	9.49
Retail Trade[h]	183.38	183.02	174.89	28.3	28.2	29.1	6.48	6.49	6.01

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Youngstown-Warren MSA

	October 1989	Sept. 1989	October 1988
Employment Service Program			
New Applicants	2,381	2,269	2,554
Active File of Job Seekers	14,304	15,177	17,285
Referrals to Jobs	1,831	1,412	1,884
Placements	382	405	627
Job Openings Received	522	591	1,021
Job Openings Unfilled	620	696	925
Unemployment Insurance Program			
Initial Claims	3,435	2,882	2,687
Continued Claims	17,202	14,522	12,751
First Payments	1,039	978	853
Last Payments	240	210	198
Weeks Compensated	13,188	13,278	10,197
Benefits Paid	$1,963,561	$1,893,724	$1,433,810
Average Weekly Payment	$158.92	$151.16	$144.40

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	.2
Manufacturing	57	.3
Nonmanufacturing	38	.2
Mining	52	1.4
Construction	19	1.4
Transportation and Public Utilities	45	.3
Wholesale Trade	22	.4
Retail Trade	21	.4
Finance, Insurance, and Real Estate	43	.3
Services	34	.3
Government	71	.2

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1988 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	October 1989	September 1989	October 1988
New Applicants	37,382	32,204	38,294
Active File of Job Seekers	188,200	198,252	247,110
Counseling Interviews	1,095	740	1,547
Tests Administered	1,341	1,314	2,175
General Aptitude Tests	160	122	261
Proficiency Tests	345	315	462
Specific Aptitude Tests	79	133	420
Referrals to Jobs	24,961	25,216	31,168
Placements	5,736	5,770	9,249
Job Openings Received	10,595	11,497	14,190
Job Openings Unfilled	20,674	22,687	25,809

Selected Unemployment Insurance Activities

	Ohio		
	October 1989	September 1989	October 1988
Initial Claims	57,166	44,673	43,496
Continued Claims	305,369	267,086	250,873
First Payments	20,888	17,999	16,329
Last Payments	4,256	4,555	4,363
Average Weekly Claimants	67,514	65,735	61,116
Average Weekly Benefit Recipients	55,791	53,978	48,898
Weeks Compensated	131,738	226,751	197,380
Benefits Paid	$21,132,992	$34,922,857	$29,778,357
Average Weekly Payment	$167.71	$161.09	$154.44
Continued Claims for Survey Week	70,987	65,334	59,374
Insured Unemployment Rate	1.5	1.5	1.4
Net Contributions	INA	$4,421,902	$37,887,340
Active Employer Accounts	204,991	204,610	200,778

INA = Information Not Available